ACARORUM CATALOGUS

Petar Beron

ACARORUM CATALOGUS VIII

**Trombidiformes
Prostigmata**

**Superfamilia Cheyletoidea
(Cheyletidae, Psorergatidae, Demodecidae,
Harpyrhynchidae, Syringophilidae)
Superfamilia Cloacaroidea
(Cloacaridae, Epimyodidae)**

Petar Beron

**Pensoft
National Museum of Natural History, Sofia
Bulgarian Academy of Sciences**

**Sofia
2021**

ACARORUM CATALOGUS VIII
Trombidiformes
Prostigmata
Superfamilia Cheyletoidea
(Cheyletidae, Psorergatidae, Demodecidae,
Harpyrhynchidae, Syringophilidae)
Superfamilia Cloacaroida
(Cloacaridae, Epimyodidae)

Petar Beron

First published 2021
ISBN 978-619-248-041-7 (paperback)
ISBN 978-619-248-042-4 (e-book)
Pensoft Series Faunistica No 222

Beron P. 2021. Acarorum Catalogus VIII. Superfamilia Cheyletoidea. (Cheyletidae, Psorergatidae, Demodecidae, Harpyrhynchidae, Syringophilidae) Superfamilia Cloacaroida (Cloacaridae, Epimyodidae). Pensoft & National Museum of Natural History, Sofia, 465 pp.

© PENSOFT Publishers

© National Museum of Natural History, Sofia

Pensoft Publishers
Prof. Georgi Zlatarski 12, Sofia 1700, Bulgaria
Fax: +359-2-870-42-82
info@pensoft.net
www.pensoft.net

Printed in Bulgaria, June 2021

Contents

Introduction	7
The Mite Superfamily Cheyletoidea.....	8
System accepted in this book.....	9
The Mite Family Cheyletidae Leach.....	10
Composition of fam. Cheyletidae	11
Catalogue of the Family Cheyletidae	14
Index of Cheyletidae	112
Distribution of Cheyletidae.....	123
Hosts of Cheyletidae	135
Bibliography of Cheyletidae.....	143
The Mite Family Psorergatidae Dubinin	177
Catalogue of Psorergatidae.....	177
Index of Psorergatidae	190
Distribution of Psorergatidae.....	192
Hosts of Psorergatidae	194
Bibliography of Psorergatidae.....	198
The Mite Family Demodecidae.....	204
Composition of the family Demodecidae	205
Catalogue of Demodecidae	205
Index of Demodecidae.....	228
Distribution of Demodecidae	229
Hosts of Demodecidae.....	234
Bibliography of Demodecidae	238
The Mite Family Harpirhynchidae Dubinin Nicolet	267
Catalogue of Harpirhynchidae	269
Index of Harpirhynchinae and Harpypalpinae.....	296
Distribution of Harpirhynchinae and Harpypalpinae.....	299
Hosts of Harpirhynchinae and Harpypalpinae.....	302
Bibliography of Harpirhynchinae and Harpypalpinae	309
The Mite subfamily Ophioptinae	314
Catalogue of Ophioptinae	314

Index of Ophioptinae.....	317
Distribution of Ophioptinae	317
Hosts of Ophioptinae.....	318
Bibliography of Ophioptinae	319
 The Mite Family Syringophilidae Lavoipierre	320
Catalogue of Syringophilidae.....	322
Index of Syringophilidae	399
Distribution of Syringophilidae.....	407
Hosts of Syringophilidae	416
Bibliography of Syringophilidae	437
 Superfamily Cloacaroidea Bochkov et OConnor.....	454
 The Mite Family Cloacaridae.....	455
Composition of the family Cloacaridae:.....	455
Catalogue of Cloacaridae.....	455
Index of Cloacaridae	459
Distribution of Cloacaridae.....	459
Hosts of Cloacaricae.....	460
Bibliography of Cloacaridae.....	460
 The Mite Family Epimyodicidae.....	462
Catalogue of Epimyodicidae	462
Index of Epimyodicidae	463
Distribution of Epimyodicidae	463
Hosts of Epimyodicidae.....	463
Bibliography of Epimyodicidae	464
 Acknowledgements	465

Introduction

The year 1955 was remarkable in the history of Acarology. Several attempts of classification of various groups have been published almost simultaneously: of the Acaridae (C.E. Yunker), of the Trombidiform mites (F. Cunliffe) and of Suborder Mesostigmata (J. H. Camin and F.E. Gorirossi). In the same year Dubinin and al. revised many groups of parasites of rodents, Zumpt & Till wrote their paper on Southafrican mites and many other acarological initiatives took place. Nevertheless, 70 years later the taxonomy of the Acari is still subject of many changes, due to deeper approach and to the new taxa, described from all over the world. From Cheyletidae have been detached several new families, some have been later downgraded to subfamily level (Ophioptinae) and some peculiar new taxa have been described (Cloacaridae, Epimyodidae and the new superfamily Cloacaroidea). Here the new acquisitions are followed with the conviction of the present author that the judgement of the new generation, based on cladistics and DNA analysis, is well founded.

Recently Walter, Lindquist, Smith, Cook & Krantz (2009) presented a new treatment of what was considered order Acariformes. Formerly divided into three suborders: Prostigmata, Acaridida and Oribatida, in the new system only two entities remain (Trombidiformes and Sarcoptiformes), reminiscent of some very old systems. These entities are ranked as orders, and the Trombidiformes are subdivided into two suborders. Sphaerolichida contains only the superfamilies Lordalycioidea and Sphaerolichioidea, Prostigmata (retaining the rank of suborder) – the other 36 superfamilies. The superfamilies considered in this volume (Cheyletoidea and the newly created superfamily Cloacaroidea Bochkov et OConnor, 2008) share the cohort Raphignathina with Raphignathoidea and Tetranychioidea.

The present volume contains data on 1243 species from 177 genera and seven families. The work was strongly facilitated by the revisions and checklists of different families, written by prominent specialists: Cheyletoidea (Dubinin, 1958, Bochkov, 2002), Cheyletidae (Volgin, 1969, Summers & Price, 1970, Fain, 1972, Gerson, Fain & Smiley, 1999, Bochkov & Fain, 2001), Psorergatidae (Giesen, 1990), Demodecidae (Izdebska & Rolbiecki, 2020), Harpirhynchidae (Fritsch, 1954; Bochkov & Literák, 2006; Fain, 1964; Bochkov, Mironov & Fain, 1999; Bochkov, OConnor & Klompen, 2015), Syringophilidae (Kethley, 1970; Skoracki, 2011; Skoracki, Zabludovskaya & Bochkov, 2012; Glowska, Chrzanowski & Kaszewska, 2015; Zmudzinski & Skoracki, 2016), and Cloacaridae (Fain, 1968).

The Mite Superfamily Cheyletoidea

The superfamily Cheyletoidea is composed of five families. Part of Cheyletidae and all members of Psorergatidae, Demodicidae, Harpirhynchidae and Syringophilidae are obligate parasites, mostly on vertebrates.

Here is the evolution of the concept of Cheyletoidea in the systems of various authors (after Bochkov, 2002, completed)

Cunliffe, 1955 – Cheyletoidea as a new superfamily of Cheyletidae, Myobiidae, Demodicidae, and Heterocheylidae.

Dubinin, 1957 – Cheyletidae, Syringophilidae, Myobiidae, Harpirhynchidae (incl. Ophioptinae)

Baker et al., 1958 – Cheyletidae, Syringophilidae, Myobiidae, Harpirhynchidae, Ophioptidae, Demodicidae, Psorergatidae, Heterocheylidae

Lawrence, 1959 – Cheyletidae, Syringophilidae, Myobiidae, Harpirhynchidae (incl. *Psorergates* and *Ophioptes*)

Volgin, 1969 – Cheyletidae, Syringophilidae, Harpirhynchidae (incl. *Psorergates*), Ophioptidae, Cloacaridae. Myobiidae is raised in a superfamily Myobioidea

Kethley, 1970 – Cheyletidae, Syringophilidae, Myobiidae, Harpirhynchidae, Demodicidae, Psorergatidae, Ophioptidae, Cloacaridae

Smiley, 1970 – Cheyletiellinae becomes a family (Cheyletiellidae)

Fain et al., 1997 – Cheyletiellinae again downgraded to subfamily rank

Bochkov, 1999 – Ophioptidae is downgraded to subfamily of Harpirhynchidae

Bochkov, 2002 – Complete review of the system and phylogeny of Cheyletoidea. Epimyodicinae is raised to family status. Seven families: Cheyletidae, Harpirhynchidae, Syringophilidae, Psorergatidae, Demodicidae, Cloacaridae, Epimyodidae

Bochkov & OConnor, 2008 – Epimyodidae and Cloacaridae form the new superfamily Cloacaroida Walter et al. (in Krantz & Walter, 2009) – seven families of Cheyletoidea and two families in Cloacaroida. This system is followed in the present Catalogue.

System accepted in this book

Superfamily **Cheyletoidea** Cunliffe, 1955

Fam. **Cheyletidae** Leach, 1815

Chelonotinae Volgin, 1969

Cheyletinae Leach, 1815

Cheyletiellinae Volgin, 1961

Criokerontinae Smiley, 1978

Metacheyletinae Fain, 1972

Ornithocheyletiinae Smiley, 1978

Fam. **Psorergatidae** Dubinin, 1955

Fam. **Harpirhynchidae** Dubinin, 1957

Harpirhynchinae Dubinin, 1957

Harpipalpinae Fain, 1972

Ophioptinae Southcott, 1956

Fam. **Demodecidae** Nicolet, 1855

Fam. **Syringophilidae** Lavoipierre, 1953

Picobiinae Johnston et Kethley, 1973

Syringophilinae Lavoipierre, 1953

Superfamily **Cloacaroida** Bochkov et O'Connor, 2008

Fam. **Cloacaridae** Camin, Moss, Oliver et Singer, 1967

Cloacarinae Camin, Moss, Oliver et Singer, 1967

Pneumophaginae Fain et Smiley, 1989

Fam. **Epimyodidae** Fain, Lukoschus et Rosmalen, 1982

The Mite Family Cheyletidae Leach

Cheyletidae Leach, 1815: 399

Large family (acc. to Bochkov, 2009b, 380 sp. of 72 genera; acc. to Xia, Klompen & Childers, 2011, 370 sp. of 73 genera; acc. to the list of Zhang et al., 2011, 75 genera and 438 sp.). Contains both predators and permanent parasites of vertebrates. Some are nest or house-dust inhabitants, others live on plants or in insect colonies (phoretic), or are found (*Hoffmannita*) on Crustacea (Decapoda) and Arachnida (Scorpiones). There are Cheyletids (*Cheyletiella parasitivorax*, *Ch. yasguri*) living on domestic animals (rabbits, cats, dogs) and recorded as vectors of mange on Man. According to Bochkov (2004), 280 species of 54 genera (77.8%) are predators, 80 sp. of 19 gen. (23.2%) are parasites of birds and mammals.

The first Cheyletid was described by Schrank (1781, the well known "*Acarus*" *eruditus*, type of the genus *Cheyletus* Latreille, 1796). The family Cheyletidae was described by Leach (1815). Among the many publications until 1969 should be mentioned the revision (and many other papers) of Oudemans (1906), the paper of Baker (1949) on North American Cheyletidae and the analysis of Dubinin (1957). Other acarologists having contributed to the taxonomy of Cheyletidae before 1969 are Heller, Mégnin, Berlese, Michael, Canestrini, Trouessart, Ewing, Zachvatkin, Rohdendorf, Womersley, Cooreman, Ehara, Elbadry, Hara, Sasa, Muma, De Leon, Samšinak, Gerson, Flechtmann, Domrow, Radford, Pelaez, Lawrence, Smiley, Yunker and others.

By the end of the 60s almost simultaneously appeared two world revisions of Cheyletidae. Most remarkable is the monograph of Volgin (1969 in Russian, translated into English in 1987). In his book (and in some earlier publications since 1949) the prominent Russian specialist described 21 valid new genera and restructured the entire system of the family, with new tribes and species groups. Volgin divided these mites in two subfamilies, Cheyletinae and Cheyletiellinae (the parasites of vertebrates). This last subfamily was raised in family rank in the review of Smiley (1970), but was again downgraded in subfamily by Fain et al., 1997). His tribe Chelonotini was raised in subfamily. The other revision (Summers & Price, 1970) indicates that by this time the Cheyletidae is composed by "close to" 50 genera and 186 species. By now the number of the species is more than double, what is largely the result of the quoted revisions. In the last 50 years many papers appeared on the Cheyletidae of the Philippines (Corpuz-Raros), China-Taiwan (Tseng), Israel and Australia (Gerson), Iran (Saboori, etc.), Pakistan (many authors). Smiley (1978) described the subfamilies Criokerontinae and Ornithocheyletiinae. Other workers who contributed to the study of the taxonomy of Cheyletidae are Thewke, Enns, Klompen, Barilo, Klimov, Mironov, OConnor, Chaudhri, Delfinado, Doğan, Goff, Guilhon, Gupta, Haitlinger, Hassan, Hu, Ide, Kethley, Khaustov, Jeffrey, Kamran, Koç, Ayıldız, Kuznetsov,

Lin, Lucza, Mathur, Meyer, Nagar, Olivier, Patxot, Putatunda, Kapil, Qayyum, Ramaraju, Rasool, Shiba, Soliman, Tjying, Uchikawa, Vaivanijkul, Wafa, Xia, Yousef, Zaher and others.

A. Fain started publishing papers on Cheyletidae in 1972. Alone or together with Bochkov, Gerson, Lukoschus, Smiley, Nadchatram and other co-authors, he described the subfamily Metacheyletinae, 7 new genera and many new species, mainly parasitic. In the comprehensive papers of Fain, Smiley & Gerson (1997) and Gerson, Fain & Smiley (1999) the number of accepted species in the family was stated as “more than 400” and the genera as “about 75”. Fain et al. (1999) compiled a list of all taxa in Cheyletidae. Bochkov & Fain (1998) left Cheyletidae with 73 valid genera and two genera incertae sedes. Followed the descriptions of *Kenyacheylus* Fain et Bochkov, 2001, *Granulocheyletus* Fain et Bochkov, 2002, *Picocheyletus* Bochkov et OConnor, 2003, *Aztecocheyletus* Bochkov et Klimov, 2004, *Oconnoricheylus* Bochkov et Otto, 2010 and *Lanceacheyla* Xia, Klompen et Childers, 2011.

In this volume the family is considered as composed of six subfamilies, the largest being the Cheyletinae (375 sp.).

Composition of fam. Cheyletidae

Family **Cheyletidae** Leach, 1815 – 80 gen., ca. 474 sp. (part of them sp. dubia or inquirendae)[acc. to Zhang et al., 2011 – 438 sp.]

Subfamily **Chelonotinae** Volgin, 1969 – 1 gen., 1 sp.

Chelonotus Berlese, 1893 – 1 sp.

Subfamily **Cheyletiellinae** Volgin, 1961 – 4 gen., 33 sp.

Bothrocheyla Volgin, 1964 – 2 sp.

Cheyletiella Canestrini, 1886 – 6 sp.

Eucheyletiella Volgin, 1960 – 7 sp.

Neочеyletiella Baker, 1949 – 18 sp.

Subfamily **Cheyletinae** Leach, 1815 – 64 gen., 375 sp.

Tribus **Cheyletini** Leach, 1815 – 23 gen., 189 sp.

Anthribicheyla Thewke, 1980 – 1 sp.

Aztecocheyletus Bochkov et Klimov, 2004 – 1 sp.

Camincheyletus Smiley et Whitaker, 1981 – 1 sp.

Cheletacarus Volgin, 1961 – 5 sp.

Cheletonella Womersley, 1941 – 7 sp.

Cheletomimus Oudemans, 1904 – 68 sp. (many inquir.)

Cheletomimus Oudemans – 19 sp. (incl. 15 inquir.)

Hemicheyletia Volgin, 1969 – 45 sp.

Philippicheyla Corpuz-Raros, 1972 – 4 sp.

Cheletophanes Oudemans, 1904 – 1 sp. + 1 inc. sed.

Cheletophyes Oudemans, 1914 – 13 sp. + 7 inc. sed.

Cheyletus Latreille, 1796 – 48 sp. (35 + 13 inc. sed.)

Eucheyletia Baker, 1949 – 14 sp. + 1 inc. sed.

Granulocheyletus Fain et Bochkov, 2002 – 3 sp.

Kenyacheylus Fain et Bochkov, 2001 – 1 sp.

Ker Muma, 1964 – 7 sp.

Laeliocheyletia Summers et Price, 1970 – 1 sp.

Lanceacheyla Xia, Klompen et Childers, 2011 – 2 sp.

Lepidocheyla Volgin, 1963 – 2 sp.

Nidocheyletus Bochkov et O'Connor, 2010 – 1 sp.

Nodele Muma, 1964 – 5 sp.

Paracheyletia Volgin, 1955 – 1 sp.

Paracheyletiella Kuznetzov, 1977 – 1 sp.

Pavlovskycheyla Volgin, 1965 – 3 sp.

Tutacheyla Corpuz – Raros, 1972 – 1 sp.

Zachvatkiniola Volgin, 1969 – 1 sp.

Tribus *Acaropsellini* Volgin, 1969 – 7 gen., 47 sp.

Acaropsella Volgin, 1969 – 7 sp.

Acaropsellina Summers, 1976 – 15 sp.

Atarsacheylus Thewke, 1980 – 1 sp.

Chelacheles Baker, 1958 – 19 sp.

Neoacaropsis Volgin, 1962 – 1 sp.

Neochelacheles Smiley et Williams, 1972 – 3 sp.

Paracaropsis Volgin, 1969 – 1 sp.

Tribus *Bakini* Volgin, 1969 – 34 gen., 161 sp.

Aegyptocheyla Yousef, 1979 – 1 sp.

Alliea Yunker, 1960 – 2 sp.

Bak Yunker, 1961 – 14 sp.

Caudacheles Gerson, 1968 – 3 sp.

Chelacaropsis Baker, 1949 – 7 sp.

Cheletogenes Oudemans, 1905 – 12 sp.

Cheletoides Oudemans, 1904 – 2 sp.

Cheletomorpha Oudemans, 1904 – 7 sp.

Cheletopsis Oudemans, 1904 – 14 sp.

Cheletosoma Oudemans, 1905 – 1 sp.

Cheyletia Heller, 1884 – 5 sp.

Chiapacheylus De Leon, 1962 – 3 sp.

Columbicheyla Thewke et Enns, 1972 – 3 sp.

Cunliffella Volgin, 1969 – 8 sp.

Dubininiola Volgin, 1969 – 3 sp.

Eucheletopsis Volgin, 1969 – 1 sp.

Eutogenes Baker, 1949 – 14 sp.

- Grallacheles* De Leon, 1962 – 3 sp.
Hoffmannita Pelaez, 1962 – 4 sp.
Hylopecheyla Fain, 1972 – 2 sp.
Hypopicheyla Volgin, 1969 – 2 sp.
Metacheletoides Fain, 1972 – 4 sp.
Mexecheles De Leon, 1962 – 10 sp.
Microcheyla Volgin, 1966 – 5 sp.
Muricheyla Fain, 1972 – 1 sp.
Neoeucheyla Radford, 1950 – 6 sp.
Oconnoricheylus Bochkov et Otto, 2010 – 2 sp.
Oudemansicheyla Volgin, 1969 – 2 sp.
Paramicrocheyla Olivier et Theron, 1989 – 2 sp.
Picocheyletus Bochkov et OConnor, 2003 – 1 sp.
Promuricheyla Fain, 1979 – 1 sp.
Prosocheyla Volgin, 1969 – 9 sp.
Samsinakia Volgin, 1965 – 8 sp.
Thewkacheyla Ide et Kethley, 1977 – 1 sp.
- Subfamily **Criokerontinae** Smiley, 1978 – 4 gen., 12 sp.
- Tribus **Niheliini** Smiley, 1978 – 4 gen., 12 sp.
- Crikeron* Volgin, 1966 – 2 sp.
Galagocheles Fain, 1979 – 2 sp.
Nihelia Domrow et Baker, 1960 – 3 sp.
Sciurocheyla Volgin, 1969 – 5 sp.
- Subfamily **Metacheyletinae** Fain, 1980 – 1 genus, 5 sp.
- Metacheyletia* Fain, 1972 – 5 sp.
- Subfamily **Ornithocheyletiinae** Smiley, 1978 – 6 gen., 42 sp.
- Tribus **Ornithocheyletiini** Volgin, 1969 – 5 gen., 40 sp.
- Apodicheles* Fain, 1979 – 4 sp.
Bakericheyla Volgin, 1966 – 5 sp.
Apodicheyla Fain, 1979 – 1 sp.
Bakericheyla Volgin, 1966 – 4 sp.
Ornithocheyletia Volgin, 1964 – 31 sp.
- Tribus **Teinocheylini** Fain, 1974 – 1 genus, 2 sp.
- Teinocheylus* Fain, 1974 – 2 sp.

Catalogue of the Family Cheyletidae

Family **Cheyletidae** Leach

Cheyletidae Leach, 1815: 399 (Kramer, 1877: 245)

(= Cheyletides Leach, 1815)

Type genus: *Cheyletus* Latreille, 1796

Subfamily **Chelonotinae** Volgin

Chelonotini Volgin, 1969: 329

Chelonotinae: Fain, 1979: 408

Type genus: *Chelonotus* Berlese, 1893

Genus **Chelonotus** Berlese

Chelonotus Berlese, 1893: 73

Type species: *Chelonotus selenorhynchus* Berlese, 1893

Chelonotus selenorhynchus Trouessart in Berlese

Chelonotus selenorhynchus Trouessart in Berlese, 1893: 9, 15, 77; Oudemans, 1906: 159; Baker, 1949: 312; Domrow, 1960: 457 (*selenirhynus*); 1964: 16; Nadchatram & Domrow, 1966: 135; Volgin, 1969: 330; Summers & Price, 1970: 72

Chelonotus oudemansi Baker, 1949: 310 – type: Sulawesi, on *Callosciurus tenuis*

Chelonotus ewingi Baker, 1949: 311 – type: Sulawesi, Temboan, on *Callosciurus prevosti*

Type locality: Pulosembah, Sulawesi (Indonesia)

Distribution: Indonesia (Sulawesi), Malaysia (Malaya, Borneo, Pulau Tioman)

Hosts: *Tupaia glis* (Scandentia: Tupaiidae), *Sundasciurus hippurus*, *S. [Baginia] lowii*, *S. [Baginia] tenuis evidens*, *Lariscus insignis* (Rodentia: Sciuridae)

Subfamily **Cheyletiellinae** Volgin

Cheyletiellinae Volgin, 1961: 255

Type genus: *Cheyletiella* Canestrini, 1886

Genus **Bothrocheyla** Volgin

Bothrocheyla Volgin, 1964: 94

Type species: *Neoeucheyla (Bothrocheyla) pavlovskyi* Volgin, 1964

Bothrocheyla pavlovskyi (Volgin)

Neoeucheyla (Bothrocheyla) pavlovskyi Volgin, 1964: 94

Neoeucheyla pavlovskyi Volgin: Vysotskaja, 1977: 188

Bothrocheyla pavlovskyi: Volgin, 1969: 262

Neoeucheyla beeri Thewke & Enns, 1972: 455

Type locality of *Neoeucheyla* (*Bothrocheyla*) *pavlovskyi*: Murmanskaya and Zakarpatskaya oblasti (Russia, Ukraine)

Distribution: Czech Rep., Russia, Ukraine

Hosts: nests of rodents; on Heteroptera (*Aradus lugubris*, *A. corticalis*)

***Bothrocheyla typhosa* (Summers et Price)**

Neoeucheyla typhosa Summers & Price, 1970: 67

Bothrocheyla typhosa (Summers et Price)

Type locality: Lake Pillsbury, Napa Co., California

Distribution: USA (California)

Host: from soil under pine trees

Genus *Cheyletiella* Canestrini

Cheyletiella Canestrini, 1886: 170

Type species: *Cheyletus parasitivorax* Mégnin, 1878

Bicheyletiella Fain, 1972: 48 (synonymized by Fain & Bochkov, 2001b: 293)

Type species: *Bicheyletiella romerolagi* Fain, 1972

***Cheyletiella blakei* Smiley**

Cheyletiella blakei Smiley, 1970: 1072; Keh, 1975: 1; van Bronswijk & de Kreek, 1976: 315; Mehl, 1978; Domrow, 1991: 1305; Fain & Bochkov, 2001c: 90

Type locality: Ithaca, N.Y.

Distribution: Australia (N.S.W., Victoria, Tasmania), France, Norway, Russia, USA (N.Y.)

Hosts: *Felis catus* (Carnivora: Felidae), *Homo sapiens* (Primates: Hominidae)

***Cheyletiella dengi* Hu**

Cheyletiella dengi Hu, 1992: 183

Type locality: Xinxiang (China)

Distribution: China

***Cheyletiella parasitivorax* (Mégnin)**

Cheyletus parasitivorax Mégnin, 1878: 10; Canestrini, 1879: 40; Mégnin, 1880: 241;

Cheyletiella parasitivorax (Mégnin): Canestrini, 1886: 175; Berlese, 1886: 28; Cooper, 1946: 480; Baker, 1949: 270; Starkoff & Starkoff, 1950: 96; Barr, 1955: 323; Volgin, 1960: 242; 1969: 360; Alcaïno & Tagle, 1966; Smiley, 1970: 1075; Amaral, 1971: 106; Rak, 1972: 62; 1973: 189; Shepherd & Edmonds, 1977; Mehl, 1978; Wassel, Whitaker & Spicka, 1980: 419; Hoffmann et al., 1994: 210; Fain & Bochkov, 2001: 89; Whitaker et al., 2007: 6; Xia, 2010: 161

[*Cheyletiella americana* Ewing, 1909b: 77. – Type: Urbana, Illinois, under bark (acc. to Baker, 1949, belongs to *Pseudocheylus*)]

Cheyletiella parasitivorax: Oudemans, 1906: 212; Hirst, 1917: 132; Womersley, 1941: 59
Ewingella americana Vail & Augustson, 1943: 419 – Type from *Oryctolagus cuniculus*,
California, USA

Cheyletiella furmani Smiley, 1970: 1074 – Jacksonville, Fla., USA, from *Sylvilagus palustris*
paludicola (Lagomorpha: Leporidae); synonymized by Fain & Bochkov, 2001c: 88

Cheyletiella katangae Fain, 1972: 48 – Katanga, DR Congo, from *Lepus whytei* (Lagomor-
pha: Leporidae)

Cheyletiella dengi Hu & Hou, 1992: 183 – Type: China, Xinjiang, from *Oryctolagus cunicu-
lus* (Lagomorpha: Leporidae); synonymized by Fain & Bochkov, 2001c: 88

Type locality of *Cheyletus parasitivorax* Mégnin: Probably France

Distribution: Australia, Brazil, Chile, China, Cuba, Denmark, England, France, Greece,
Holland, Iran, Italy, Mexico, Nigeria, Norway, Russia, South Africa, New Zealand, USA

Hosts: *Homo sapiens* (Primates: Hominidae), *Lepus whytei*, *Oryctolagus cuniculus*, *Pronola-
gus randensis*, *Romerolagus diazi*, *Sylvilagus bachmanni*, *S. floridanus* (Lagomorpha:
Leporidae), *Felis catus* (Carnivora: Felidae)

***Cheyletiella romerolagi* (Fain)**

Bicheyletiella romerolagi Fain, 1972: 49; 1979: 422

Cheyletiella mexicana Uchikawa & Suzuki, 1979: 21; Hofmann et al., 1994: 211

Cheyletiella romerolagi (Fain): Fain & Bochkov, 2001b: 293; 2001c: 89

Type locality: Mexico

Distribution: Mexico

Host: *Romerolagus diazi* (Lagomorpha: Leporidae)

***Cheyletiella strandtmanni* Smiley**

Cheyletiella strandtmanni Smiley, 1970: 1072; Fain & Bochkov, 2001c: 89

Type locality: Ma-am Lio

Distribution: Taiwan

Host: *Lepus* sp. (Lagomorpha: Leporidae)

***Cheyletiella yasguri* Smiley**

Cheyletiella yasguri Smiley, 1965: 76; Vercammen-Grandjean & Rak, 1968: 407; Volgin,
1969: 365; Davies & Kyle, 1969: 136; Bakkers & Fain, 1972: 25; Rak, 1973: 181; Alcaino
& Calderon, 1976: 40; Mehl, 1978; Fain, Scheepers & de Groot, 1982: 624; Chin, 1996:
267; Fain & Bochkov, 2001c: 90

Type locality: New York

Distribution: Chile, England, France, Germany, Holland, Iran, Ireland, Korea, Norway,
USA

Host: *Canis lupus familiaris* (Carnivora: Canidae); phoretic hyperparasite of a louse-fly
(*Hippobosca longipennis*), collected on dog in Iran

Genus ***Eucheyletiella*** Volgin*Eucheyletiella* Volgin, 1960: 238Type species: *Cheyletiella ochotona* Volgin, 1960***Eucheyletiella daurica*** Bochkov et Mironov*Eucheyletiella faini* Bochkov & Mironov, 1999: 148

Type locality: Gorno-Altaysk Province, Chuyskaya steppe, Tashanta Village

Distribution: Kazakhstan, Russia (Tuva, Altai)

Host: *Ochotona rufescens* (Lagomorpha: Ochotonidae)***Eucheyletiella faini*** Bochkov et Malikov*Eucheyletiella faini* Bochkov & Malikov, 1997: 43; Bochkov & Mironov, 1999: 144

Type locality: Kerman Province, near to Shad-Dad Tunnel

Distribution: Iran

Host: *Ochotona rufescens* (Lagomorpha: Ochotonidae)***Eucheyletiella johnstoni*** (Smiley)*Cheyletiella johnstoni* Smiley, 1965: 77*Eucheyletiella johnstoni* (Smiley): Volgin, 1969: 374

Type locality: New Mexico (Santa Fe)

Distribution: USA (New Mexico)

Host: *Ochotona princeps* (Lagomorpha: Ochotonidae)***Eucheyletiella ochotona*** (Volgin)*Cheyletiella ochotona* Volgin, 1960: 238*Eucheyletiella ochotona* Volgin, 1969: 368; Dubinina & Bochkov, 1989: 107; Bochkov & Mironov, 1999: 142

Type locality: Terskey Alatau (Chong Kizilsu), Kirghyzstan

Distribution: Kirghyzstan, Turkmenia

Hosts: *Ochotona macrotis*, *O. roylei*, *O. rufescens* (Lagomorpha: Ochotonidae), *Sylvaemus sylvaticus* (Rodentia: Muridae)***Eucheyletiella pallasius*** Bochkov et Mironov*Eucheyletiella pallasius* Bochkov & Mironov, 1999: 146

Type locality: Tuva, Mugir-Aken

Distribution: Russia (Tuva)

Host: *Ochotona pallasi* (Lagomorpha: Ochotonidae)***Eucheyletiella pusillinus*** Bochkov et Mironov*Eucheyletiella pusillinus* Bochkov & Mironov, 1999: 144

Type locality: Orenburg Prov.

Distribution: Russia

Host: *Ochotona pusilla* (Lagomorpha: Ochotonidae)

Eucheyletiella takahasii (Sasa et Kono)

Cheyletiella takahashii Sasa & Kono, 1951: 205

Eucheyletiella takahashii (Sasa et Kono): Volgin, 1969: 372

Eucheyletiella takahasii (Sasa et Kono): Bochkov & Mironov, 1999: 150

Type locality: Hokkaido

Distribution: Japan (Hokkaido), Russia (Asiatic)

Host: *Ochotona hyperborea*, *O. h. yesoensis* (Lagomorpha: Ochotonidae)

Genus ***Neocheyletiella*** Baker

Neocheyletiella Baker, 1949: 271

Ornithocheyla Lawrence, 1959: 433

Type species: *Neocheyletiella rohvery* Baker, 1949

Neocheyletiella aegithali Bochkov et OConnor

Neocheyletiella aegithali Bochkov & OConnor, 2003: 277; Halliday, Kamran & Bashir, 2018: 87

Type locality: NW Frontier Prov., Malakand Div., Swat Dist., Yakh Tangai, 2076 m

Distribution: Pakistan

Host: *Aegithalos concinnus* (Passeriformes: Aegithalidae)

Neocheyletiella alfortensis Guilhon et Euzeby

Neocheyletiella alfortensis Guilhon & Euzeby, 1984: 497

Type locality: unknown

Distribution: unknown

Host: *Leiothrix lutea* (Passeriformes: Timaliidae)

Neocheyletiella amandavae Fain

Neocheyletiella amandavae Fain, 1972: 47; 1980: 33

Type locality: Antwerp Zoo

Distribution: Java

Host: *Amandava amandava* (Passeriformes: Estrildidae)

Neocheyletiella ardeola Bochkov et Ochoa

Neocheyletiella ardeola Bochkov & Ochoa, 2005: 142

Type locality: Lake Fuhwa

Distribution: Mozambique

Host: *Ardeolla ralloides* (Pelecaniformes: Ardeidae)

***Neocheyletiella artami* Domrow**

Neocheyletiella artami Domrow, 1965: 210; 1970: 273; Summers & Price, 1970: 77; Smiley, 1978: 236

Type locality: Exeter (Tasmania)

Distribution: Australia (Tasmania, New South Wales)

Host: *Artamus cyanopterus* (Passeriformes: Artamidae)

***Neocheyletiella athene* Fain et Bochkov**

Neocheyletiella athene Fain & Bochkov, 2002a: 159

Type locality: India

Distribution: India

Host: *Athene brama* (Strigiformes: Strigidae)

***Neocheyletiella avicola* Fain**

Neocheyletiella avicola Fain, 1972: 47; 1980: 33

Neocheyletiella vestergaardi Smiley, 1978: 236 – Copenhagen, Denmark, caged *Erythrura prasina* (Passeriformes: Estrildidae)

Type locality: Antwerp Zoo

Distribution: ? (South America, Australia)

Hosts: *Ara* sp., *Agapornis fisheri* (Psittaciformes: Psittacidae), *Erythrura prasina* (Passeriformes: Estrildidae) (*N. vestergaardi*)

***Neocheyletiella lonchurae* Fain et Bochkov**

Neocheyletiella lonchurae Fain & Bochkov, 2002a: 159

Type locality: Akanyaru River

Distribution: Rwanda

Host: *Lonchura* sp. (Passeriformes: Estrildidae)

***Neocheyletiella macronycha* (Mégnin)**

Cheyletus macronychus Mégnin, 1878: 427; 1880: 243; Poppe, 1888: 237

Cheyletiella macronycha Berlese & Trouessart, 1889: 136

Cheyletiella macronycha: Oudemans, 1906: 212

Neocheyletiella macronycha, Baker, 1949: 272; Fain, 1980: 39; Smiley, 1978: 236

Type locality: Bengal

Distribution: India

Host: birds (Passeriformes)

***Neocheyletiella media* Fain**

Neocheyletiella media Fain, 1972: 48; 1980: 28

Type locality: host died in Antwerp

Distribution: S. China

Host: *Leiothrix lutea* (Passeriformes: Timaliidae)

Neochelyletiella megaphallos (Lawrence)

Ornithocheyla megaphallos Lawrence, 1959: 434; Lindholm, Venter & Ueckermann, 1998

Neochelyletiella megaphallos (Lawrence): Volgin, 1969: 419; Summers & Price, 1970: 77

Type locality: Debeete

Distribution: Botswana, South Africa

Hosts: *Estrilda erythronotos* (Passeriformes: Estrildidae), *Chrysococcyx caprius* (Cuculiformes: Cuculidae)

Neochelyletiella microrhyncha (Berlese et Trouessart)

Cheyletiella microrhyncha Berlese & Trouessart, 1889: 136; Berlese, 1893: 76

Cheyletiella microrhyncha: Oudemans, 1906: 212

Neochelyletiella microrhyncha (Berlese & Trouessart): Baker, 1949: 272; Summers & Price, 1970: 77; Smiley, 1978: 234; Bochkov & Galloway, 2001: 2017

Neochelyletiella oudemansi Volgin, 1969: 417 – Belarus, from *Delichon urbica* and *Riparia riparia*

Neochelyletiella callawayae Smiley, 1970: 1063; 1978: 236

Type locality: France

Distribution: Belarus, Canada, France, Russia; Rwanda; USA

Hosts: *Hirundo rustica*, *Delichon urbica*, *Petrochelidon pyrchonota*, *Cecropis abyssinicus unitatis*, *Progne subis*, *Psaltidoprocne albiceps*, *Riparia riparia* (Passeriformes: Hirundinidae)

Neochelyletiella nectarinia Bochkov et OConnor

Neochelyletiella nectarinia Bochkov & OConnor, 2003: 277

Type locality: Romblon Prov., Sibuyan Isl., Magdivang, Tampayan

Distribution: Philippines

Host: *Nectarinia jugularis* (Passeriformes: Nectariniidae)

Neochelyletiella pittae Fain

Neochelyletiella pittae Fain, 1972: 47; 1980: 33

Type locality: Antwerp Zoo

Distribution: ?

Host: *Pitta megarhyncha* (Passeriformes: Pittidae)

Neochelyletiella queleae Fain et Bochkov

Neochelyletiella queleae Fain & Bochkov, 2002 : 155

Type locality: Rubona, Rwanda

Distribution: Rwanda

Hosts: *Quelea quelea* (Passeriformes: Ploceidae), *Streptopelia semitorquata* (Columbiformes: Columbidae)

***Neocheyletiella rohweri* Baker**

Neocheyletiella rohweri Baker, 1949: 274; Volgin, 1969: 414; Summers & Price, 1970: 77;
Smiley, 1978: 236

Type locality: Guffey, Colorado

Distribution: USA (Colorado)

Host: *Sitta pygmaea melanotus* (Passeriformes: Sittidae)

***Neocheyletiella siva* Fain**

Neocheyletiella siva Fain, 1972: 48; 1980: 37

Type locality: Antwerp Zoo

Distribution: India

Host: *Siva [Minia] cyanoptera* (Passeriformes: Timaliidae)

***Neocheyletiella smallwoodae* Baker**

Neocheyletiella smallwoodae Baker, 1949: 273; Volgin, 1969: 415; Summers & Price, 1970:
77; Smiley, 1978: 236

Type locality: Guffey, Colorado

Distribution: USA (Colorado, Delaware)

Host: *Leucosticte australis* (Passeriformes: Fringillidae, Carduellinae)

***Neocheyletiella* sp.**

Distribution: Japan, Korea (McClure H. Elliott, N. Ratanaworadhan et al. 1973)

Host: *Emberiza cioides* (Passeriformes: Emberizidae)

Subfamily Cheyletinae Leach

Cheyletinae Leach, 1815: 399

Type genus: *Cheyletus* Latreille, 1796

Tribus Cheyletini Leach

Cheyletini Leach, 1815: 399

Type genus: *Cheyletus* Latreille, 1796

Genus *Anthribicheyla* Thewke

Anthribicheyla Thewke, 1980: 335

Type species: *Anthribicheyla bocki* Thewke, 1980

***Anthribicheyla bocki* Thewke**

Anthribicheyla bocki Thewke, 1980: 337

Type locality: Vera Cruz

Distribution: Mexico

Hosts: *Ischnocerus*, *Ptychoderes* (Coleoptera: Anthribidae)

Genus ***Aztecocheyletus*** Bochkov et Klimov

Aztecocheyletus Bochkov & Klimov, 2004: 24

Type species: *Nodele conquistador* Bochkov et Klimov, 2004

Aztecocheyletus conquistador (Bochkov et Klimov)

Nodele conquistador Bochkov & Klimov, 2004: 24

Aztecocheyletus conquistador Bochkov & Klimov, 2004: 23

Type locality: Jalisco, Chamela, Est. biologica

Distribution: Mexico

Host: *Azthecanthidium tenochtitlanicum* (Hymenoptera: Megachilidae)

Genus ***Camincheyletus*** Smiley et Whitaker

Camincheyletus Smiley & Whitaker, 1981: 111

Type species: *Camincheyletus glaucomys* Smiley et Whitaker, 1981

Camincheyletus glaucomys Smiley et Whitaker

Camincheyletus glaucomys Smiley & Whitaker, 1981: 114

Type locality: Oregon

Distribution: USA (Oregon)

Host: *Glaucomys sabrinus* (nest)(Rodentia: Pteromyidae)

Genus ***Cheletacarus*** Volgin

Cheletacarus Volgin, 1961: 248

Type species: *Cheletacarus raptor* Volgin, 1961

Cheletacarus gryphus Summers et Price

Cheletacarus gryphus Summers & Price 1970: 36

Type locality: Davis, California

Distribution: USA (California)

Cheletacarus novemdentis Meyer

Cheletacarus novemdentis Meyer, 1988: 9

Type locality: Mountain Zebra Nat. Park

Distribution: South Africa

Cheletacarus ploceus Gupta et Paul

Cheletacarus ploceus Gupta & Paul, 1985: 6

Type locality: India

Distribution: India

***Cheletacarus raptor* Volgin**

Cheletacarus raptor Volgin, 1961: 248; 1969: 169; Lucza, Ripka & Saly, 1996; Lin et al., 1997; Ripka, Fain & Bolland, 1999: 366; Xia, 2010: 161; Bochkov & Abramov, 2016: 336; Khaustov, 2021: 234

Type locality: Kishinev (Moldova)

Distribution: China, Hungary, Moldavia, Russia

Hosts: *Diaspidiothis otsreaeformis*, *D. spurcatus*, *Parthenolecanium corni* (Homoptera: Coccodea)

***Cheletacarus rugosus* (Womersley)**

Cheletophanes rugosa Womersley, 1941: 62

Cheletonella rugosa: Baker, 1949: 292

Chelacheles rugosus (Womersley): Volgin, 1961: 253; 1969: 172

Cheletacarus rugosus (Womersley): Summers & Price, 1970: 36

Type locality: Brisbane, Queensland

Distribution: Australia (Queensland)

Host: *Calymmaderus* sp. (Coleoptera: Anobiidae)

Genus *Cheletonella* Womersley

Cheletonella Womersley, 1941: 60

Type species: *Cheletonella vespertilionis* Womersley, 1941

***Cheletonella daddariensis* Aheer et Chaudhri**

Cheletonella daddariensis Aheer & Chaudhri, 1987: 104; Halliday, Kamran & Bashir, 2018: 86

Type locality: Pakistan

Distribution: Pakistan

***Cheletonella emersus* Chaudhri, Akbar et Rasool**

Cheletonella emersus Chaudhri, Akbar & Rasool, 1979: 150; Aheer & Chaudhri, 1987: 103; Halliday, Kamran & Bashir, 2018: 86

Type locality: Pakistan

Distribution: Pakistan

***Cheletonella hoffmannae* Smiley**

Cheletonella hoffmannae Smiley, 1996: 241

Type locality: Quincy, Owen Co., Indiana

Distribution: USA (Indiana)

Host: guano of *Eptesicus fuscus* (Chiroptera: Vespertilionidae)

Cheletonella iraniensis Salarzahi, Hajizadeh et Ueckermann

Cheletonella iraniensis Salarzahi, Hajizadeh & Ueckermann, 2019: 189

Type locality: Khomam City

Distribution: Iran

Cheletonella pilosa Tseng

Cheletonella pilosa Tseng, 1977: 240; Xia, 2010: 161

Type locality: Taiwan

Distribution: Taiwan

Cheletonella vespertilionis Womersley

Cheletonella vespertilionis Womersley, 1941: 61; Baker, 1949: 292; Domrow, 1959: 234; 1974: 18; 1991: 1305; Volgin, 1969: 153; 1987: 191; Summers & Price, 1970: 37; Whitaker, 1973: 1149; Domrow, 1974: 18; Fain & Nadchatram, 1980: 197; Fain & Bochkov, 2001; Ezequiel et al., 2001; Ezequiel et al., 2003; Whitaker et al., 2007: 6; Dogan et al., 2011: 782

Cheletonella caucasica Volgin, 1955: 168; 1956: 210; 1969: 154; Rekk, 1976: 68 –

Algeria, Armenia, Brazil, Georgia, Tajikistan, Ukraine (*Cricetulus migratorius*, bird's nest)

Type locality: Glen Osmond (S. Australia)

Distribution: Australia (N.S.W., South Australia), Brazil, Malaysia, USA (California, Indiana, Pennsylvania, Texas); Armenia, Georgia, Tajikistan, Iran, Belgium, Ukraine

Hosts: bat (Chiroptera indet.), *Eptesicus fuscus*, guano of *Myotis lucifugus*, *M. myotis* (Chiroptera: Vespertilionidae), guano of *Tadarida punctata* (Molossidae), bat guano in Malaysia (Negeri Sembilan), nest of *Hylochelidon ariel* (Passeriformes: Hirundinidae)

Cheletonella juglandis Xia, Zhu et Ye (**sp. inquire.**)

Cheletonella juglandis Xia, Zhu & Ye, 1999: 150

Type locality: Jiangxi, Nanchang

Distribution: China

Genus ***Cheletomimus*** Oudemans

Cheletomimus Oudemans, 1904b: 163

Type species: *Cheletes berlesei* Oudemans, 1904

Subgenus ***Cheletomimus*** Oudemans

Cheletomimus Oudemans, 1904b: 163

Type species: *Cheletes berlesei* Oudemans, 1904

Cheletomimus (Cheletomimus) berlesei (Oudemans)

Cheyletus ornatus Berlese, 1886: 28 (misidentification)

Cheletes berlesei Oudemans, 1904b: 154

Cheletomimus ornatus (Berlese): Oudemans, 1906: 136;
Cheletomimus berlesei (Oudemans): Baker, 1949: 293; Volgin, 1955: 172; Yunker, 1961: 1032; De Leon, 1962: 134; Summers & Price, 1970: 9; Rekk, 1976: 68; Patxot & Goff, 1985: 160
Cheyletomimus berlesei (Oudemans): Evans, 1954: 806; Bochkov, Hakimitabar & Saboori, 2005: 107; Torre Santana, 2015
Cheletomimus (*Ch.*) *berlesei* (Oudemans): Fain, Bochkov & Corpuz-Raros, 2002: 30
 Type locality: Italy
 Distribution: Angola, Cuba, Georgia, Greece (*ornatus*), Great Britain, Iran, Italy, Israel, Mexico, Palestina, Russia, USA (Florida, Hawaiian Is.)
 Host: *Aspidiotus lataniae* (Homoptera: Coccodea), bird's nest

***Cheletomimus* (*Cheletomimus*) *daltoniensis* Corpuz-Raros**

Cheletomimus daltoniensis Corpuz-Raros, 1998: 265
Cheletomimus (*Cheletomimus*) *daltoniensis* Corpuz-Raros: Fain, Bochkov & Corpuz-Raros, 2002: 33
 Type locality: Luzon, Dalton Pass, Santa Fe, Nueva Vizcaya, 1070 m
 Distribution: Philippine Is.

***Cheletomimus* (*Cheletomimus*) *duosetosus* Muma**

Cheletomimus duosetosus Muma, 1964: 242; Summers & Price, 1970: 9; Patxot & Goff, 1985: 161; Papaioannou-Souliotis, 1994; Feres & Flechtmann, 1995: 535
Cheletomimus (*Cheletomimus*) *duosetosus* Muma: Fain, Bochkov & Corpuz-Raros, 2002: 33
 Type locality: Florida (USA)
 Distribution: Brazil, Greece, USA (Florida, Hawaiian Is.)

***Cheletomimus* (*Cheletomimus*) *ochoi* Fain, Bochkov et Corpuz-Raros**

Cheletomimus (*Cheletomimus*) *ochoi* Fain, Bochkov & Corpuz-Raros, 2002: 33
 Type locality: California, San Francisco
 Distribution: USA (California)
 Host: on *Howea posteriana* (calix)

Subgenus *Hemicheyletia* Volgin

Hemicheyletia Volgin, 1969: 201
 Type species: *Paracheyletia bakeri* Ehara, 1962
Andrecheyla Volgin, 1969: 219
 Type species: *Cheyletia scutellata* De Leon, 1962
Dendrocheyla Volgin, 1969: 205
 Type genus: *Dendrocheyla bregetovae* Volgin, 1969

***Cheletomimus (Hemicheyletia) anarbora* (De Leon)**

Paracheyletia anarbora De Leon, 1967: 341

Hemicheyletia anarbora (De Leon): Summers & Price, 1970: 18; Corpuz-Raros & Sotto, 1977: 154; Ehara & Abdul Ghani, 1988: 239; Torre Santana, 2015: 49

Hemicheyletia pusillifolium Lin-Jianzhen, Pen-Wenfu et Chen-Yume, 1994: 141; Lin et al., 2000: 86 – China (Fujian)

Cheletomimus (Hemicheyletia) anarbora: Corpuz-Raros, 1977: 154; Fain, Bochkov & Corpuz-Raros, 2002: 49

Cheletomimus anarbora: Xia, 2010: 161

Type locality: Trinidad

Distribution: China, Cuba, Malaysia, Philippine Is., Taiwan, Trinidad

***Cheletomimus (Hemicheyletia) asiaticus* (Volgin)**

Hemicheyletia asiaticus Volgin, 1978: 213

Cheletomimus (Hemicheyletia) asiatica: Fain, Bochkov & Corpuz-Raros, 2002: 39

Type locality: Sayat Distr., Turkmenistan

Distribution: Turkmenistan (in a burrow of tarantula)

***Cheletomimus (Hemicheyletia) athenae* (Corpuz-Raros)**

Hemicheyletia athenae Corpuz-Raros, 1988b: 418

Cheletomimus (Hemicheyletia) athenae: Fain, Bochkov & Corpuz-Raros, 2002: 54

Type locality: Mt. Banahaw at Kinabuhayan, Dolores,

Quezon, Luzon Is., the Philippines

Distribution: Philippine Is.

***Cheletomimus (Hemicheyletia) bakeri* (Ehara)**

Paracheyletia bakeri Ehara, 1962: 109; Muma, 1964: 245; Gerson, 1967: 360; Kanavel & Selhime, 1967: 107

Hemicheyletia bakeri (Ehara): Volgin, 1969: 202; Summers & Price, 1970: 12; Tseng, 1977; Gerson, 1994: 445; Xia et al., 2000

Hemicheyletia tumidus Qayyum & Chaudhri, 1979: 169. Syn. by Fain, Bochkov & Corpuz-Raros, 2002: 36

Cheletomimus (Hemicheyletia) bakeri (Ehara): Fain, Bochkov & Corpuz-Raros, 2002: 36; Bochkov, Hakimitabar & Saboori, 2005: 107

Cheletomimus bakeri (Ehara): Xia, 2010: 161; Fain, Bochkov & Corpuz-Raros, 2002: 36; Bochkov, Hakimitabar & Saboori, 2005: 107; Halliday, Kamran & Bashir, 2018: 83

Type locality: Sapporo (Hokaido)

Distribution: Algeria, Australia, Canada, China, DR Congo, Egypt (*Hemicheletus b.*), Galapagos Isl., Iran, Israel, Japan, Pakistan, Panama, Philippines, Taiwan, USA

***Cheletomimus (Hemicheyletia) blosis* (Chaudhri et Akbar)**

Hemicheyletia blosis Chaudhri & Akbar, 1985: 172.

Cheletomimus blosis (Chaudhri et Akbar): Halliday, Kamran & Bashir, 2018: 83

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus (Hemicheyletia) bregetovae* (Volgin)**

Dendrocheylea bregetovae Volgin, 1969: 207

Hemicheyletia bregetovae (Volgin): Diaz Patxot & Goff, 1985: 161

Cheletomimus (Hemicheyletia) bregetovae: Fain, Bochkov & Corpuz-Raros, 2002: 54; Koç & Ayyildiz, 1996:

Hemicheyletia scitula Corpuz-Raros, 1972: 256. Type from Mt. Makling, the Philippines.

Syn. by Fain, Bochkov & Corpuz-Raros, 2002: 54

Type locality of *Dendrocheylea bregetovae*: Hosta, Sochi, (Russia)

Distribution: Armenia, Bulgaria, Philippines, Russia, Turkey, Crimea, USA (Hawaian Is. – Oahu)

Host: nests of *Apodemus* spp. (Rodentia: Muridae)

***Cheletomimus (Hemicheyletia) chui* (Tseng)**

Hemicheyletia chui Tseng, 1977: 218

Cheletomimus (Hemicheyletia) chui (Tseng): Fain, Bochkov & Corpuz-Raros, 2002: 39

Cheletomimus chui (Tseng): Xia, 2010: 161

Type locality: Taiwan

Distribution: China, Malaysia, Taiwan

Host: from nest of *Muscicapa grandis* (Passeriformes: Muscicapidae)

***Cheletomimus (Hemicheyletia) congensis* (Cunliffe)**

Paracheyletia congensis Cunliffe, 1962: 197

Hemicheyletia congensis (Cunliffe): Volgin, 1969: 203; Summers & Price, 1970: 1

Hemicheyletia congoensis (Cunliffe): Corpuz-Raros, 1998:

Hemicheyletia lacinia Rasool & Chaudhri, 1979: 2 – Pakistan

Cheletomimus (Hemicheyletia) congensis (Cunliffe): Fain, Bochkov & Corpuz-Raros, 2002: 38; Bochkov, Hakimitabar & Saboori, 2005: 107

Cheletomimus congoensis (Cunliffe): Fain, Bochkov & Corpuz-Raros, 2002: 38; Bochkov, Hakimitabar & Saboori, 2005: 107; Halliday, Kamran & Bashir, 2018: 84

Type locality of *Paracheyletia congensis* Cunliffe, 1962: Kysenyi (DR Congo)

Distribution: DR Congo, Iran, Pakistan, Philippines

***Cheletomimus (Hemicheyletia) cordovensis* (De Leon)**

Cheyletia cordovensis De Leon, 1962: 219

Hemicheyletia cordovensis (De Leon): Volgin, 1969: 204; Summers & Price, 1970: 14

Cheletomimus (Hemicheyletia) cordovens (De Leon): Fain, Bochkov & Corpuz-Raros, 2002: 39

Type locality: Cordoba

Distribution: Mexico (Veracruz)

Host: *Phoebe psychotrioides* (Passeriformes: Tyrannidae)

Cheletomimus (Hemicheyletia) darwinus (Summers et Price)

Hemicheyletia darwinia Summers & Price, 1970: 16

Cheletomimus (Hemicheyletia) darwinia (Summers et Price): Fain, Bochkov & Corpuz-Raros, 2002: 49

Type locality: Darwin Research Station, Galapagos

Distribution: Ecuador (Galapagos Is.)

Host: From grass near bay shore

Cheletomimus (Hemicheyletia) echis (Chaudhri & Akbar)

Hemicheyletia echis Chaudhri & Akbar, 1985: 187

Cheletomimus echis (Chaudhri & Akbar): Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus (Hemicheyletia) disparis (Chaudhri & Akbar)

Hemicheyletia disparis Chaudhri & Akbar, 1985: 180.

Cheletomimus disparis (Chaudhri & Akbar): Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus (Hemicheyletia) glomus (Chaudhri et Akbar)

Hemicheyletia glomus Chaudhri & Akbar, 1985: 181;

Cheletomimus glomus (Chaudhri et Akbar): Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus (Hemicheyletia) gracilis Fain, Bochkov et Corpuz-Raros

Cheletomimus (Hemicheyletia) gracilis Fain, Bochkov & Corpuz-Raros, 2002: 57

Type locality: Hawaii (on *Allium cepa* from Japan)

Distribution: Peru, the Philippines, USA (Hawaii)

Host: plants

Cheletomimus (Hemicheyletia) granulus (Summers et Price)

Hemicheyletia granula Summers & Price, 1970: 13

Cheletomimus (Hemicheyletia) granula (Summers et Price): Fain, Bochkov & Corpuz-Raros, 2002: 36

Type locality: Quetzaltepeque
 Distribution: El Salvador
 Host: from moss and ant nest

Cheletomimus (Hemicheyletia) greenwoodi Fain, Bochkov et Corpuz-Raros
Cheletomimus (Hemicheyletia) greenwoodi Fain, Bochkov & Corpuz-Raros, 2002: 54
 Type locality: Barstey, Wales, Great Britain
 Distribution: Great Britain
 Host: from nest of *Anthus spinoletta* (Passeriformes: Motacillidae)

Cheletomimus (Hemicheyletia) hastatus (Chaudhri & Akbar)
Hemicheyletia hastatus Chaudhri & Akbar, 1985: 183; Afzal, Ali & Akbar, 2003: 90; Kamran, Khan & Nazir, 2005: 54
Cheletomimus hastatus (Chaudhri & Akbar): Halliday, Kamran & Bashir, 2018: 84
 Type locality: Pakistan
 Distribution: Pakistan

Cheletomimus (Hemicheyletia) indica (Gupta) (sp. inquire.)
Hemicheyletia indica Gupta, 1991: 234; Fain, Bochkov & Corpuz-Raros, 2002: 28
 Type locality: India
 Distribution: India

Cheletomimus (Hemicheyletia) kysenysiensis (Thewke et Enns)
Hemicheyletia kysenysiensis Thewke & Enns, 1979: 218
Cheletomimus (Hemicheyletia) kysenysiensis (Thewke et Enns): Fain, Bochkov & Corpuz-Raros, 2002: 38
 Type locality: Kysenyi (former Zaire)
 Distribution: D. R. Congo

Cheletomimus (Hemicheyletia) lanceolata (Corpuz-Raros) (sp. inquire.)
Hemicheyletia lanceolata Corpuz-Raros, 1998: 274; Fain, Bochkov & Corpuz-Raros, 2002: 28
 Type locality: Luzon Is., Pintor, Gamu, Isabela
 Distribution: Philippine Is.

Cheletomimus (Hemicheyletia) leytensis (Corpuz-Raros)
Hemicheyletia leytensis Corpuz-Raros, 1988: 419; 1998: 275
Cheletomimus (Hemicheyletia) leytensis (Corpuz-Raros): Fain, Bochkov & Corpuz-Raros, 2002: 42
 Type locality: Babatngon, Leyte
 Distribution: Philippines (Leyte, Luzon)

Cheletomimus (Hemicheyletia) lindquisti (Thewke et Enns)

Hemicheyletia lindquisti Thewke & Enns 1979: 221

Cheletomimus (Hemicheyletia) lindquisti (Thewke et Enns): Fain, Bochkov & Corpuz-Raros, 2002: 57; Bochkov & Abramov, 2016: 336

Type locality: 2,5 miles SE Kananaskis F. E. Station, Alberta

Distribution: Canada (Alberta), Russia

Cheletomimus (Hemicheyletia) makilingensis (Corpuz-Raros)

Hemicheyletia makilingensis Corpuz-Raros, 1972: 256

Cheletomimus (Hemicheyletia) makilingensis (Corpuz-Raros): Fain, Bochkov & Corpuz-Raros, 2002: 39

Type locality: Laguna, Philippines

Distribution: Philippines

Host: Plant host *Schizostachium*

Cheletomimus (Hemicheyletia) mexicanus (Thewke et Enns)

Hemicheyletia mexicana Thewke & Enns, 1979: 223

Cheletomimus (Hemicheyletia) mexicanus: Fain, Bochkov & Corpuz-Raros, 2002: 52

Type locality: three miles north of San Cristobal, Las Casas, Chiapas

Distribution: Mexico (Chiapas)

Cheletomimus (Hemicheyletia) newyorkensis (Delfinado et Khaing-Fields) (**spec. inquir.**)

Hemicheyletia newyorkensis Delfinado & Khaing-Fields, 1976: 192; Fain, Bochkov & Corpuz-Raros, 2002: 28

Type locality: New York, Long Island

Distribution: USA

Cheletomimus (Hemicheyletia) nucella (Chaudhri et Akbar)

Hemicheyletia nucella Chaudhri & Akbar, 1985: 166; Haq & Afzal, 2007: 2206

Cheletomimus nucella (Chaudhri et Akbar): Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus (Hemicheyletia) omissus (Tseng)

Hemicheyletia omissa Tseng, 1977: 222

Cheletomimus (Hemicheyletia) omissa (Tseng): Fain, Bochkov & Corpuz-Raros, 2002: 60

Cheletomimus omissus (Tseng): Xia, 2010: 161

Type locality: Taiwan

Distribution: China, Taiwan

Cheletomimus (Hemicheyletia) parvus (Afzal, Ali et Akbar)*Hemicheyletia parvus* Afzal, Ali & Akbar, 2003: 89*Cheletomimus parvus* (Afzal, Ali et Akbar): Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus (Hemicheyletia) parodos (Chaudhri & Akbar)*Hemicheyletia parodos* Chaudhri & Akbar, 1985: 173.*Cheletomimus parodos* (Chaudhri et Akbar): Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus (Hemicheyletia) recki (Volgin)*Paracheyletia recki* Volgin, 1966b: 283; 1969: 183; Fain & Bochkov, 2001: 51*Cheletomimus (Hemicheyletia) recki* (Volgin): Khaustov, 2021: 214

Type locality: Voronezh Reserve

Distribution: Russia

Host: ant hill

Cheletomimus (Hemicheyletia) reticulatus (Jeffrey et Campbell)*Hemicheyletia reticulata* Jeffrey & Campbell, 1975: 103*Cheletomimus (Hemicheyletia) reticulata* (Jeffrey et Campbell): Fain, Bochkov & Corpuz-Raros, 2002: 42

Type locality: Scotland, Argyll, Island of Gigha

Distribution: Great Britain

Cheletomimus (Hemicheyletia) rostellus (Summers et Price)*Hemicheyletia rostella* Summers & Price, 1970: 17*Cheletomimus (Hemicheyletia) rostellus* (Summers et Price): Fain, Bochkov & Corpuz-Raros, 2002: 36

Type locality: California (Dorrington, Calaveras Co., etc.)

Distribution: USA (California)

Host: from rotting logs

Cheletomimus (Hemicheyletia) salvus (Chaudhri et Akbar)*Hemicheyletia salvus* Chaudhri & Akbar, 1985: 149*Cheletomimus salvus* (Chaudhri et Akbar): Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus (Hemicheyletia) scutellatus (De Leon)*Cheyletia scutellata* De Leon, 1962: 130

Paracheyletia scutellata (De Leon): Muma, 1964: 246

Andrecheyla scutellata (De Leon): Volgin, 1969: 219

Hemicheyletia scutellata (De Leon): Summers & Price, 1970: 14

Cheletomimus (*Hemicheyletia*) *scutellatus* (De Leon): Fain, Bochkov & Corpuz-Raros, 2002: 42

Type locality: Florida

Distribution: Mexico (Chiapas), USA (Florida)

Hosts: *Swietenia mahagoni* (Meliaceae), *Xylosma elliptica* (Salicaceae)

Cheletomimus* (*Hemicheyletia*) *serrulus (Summers et Price)

Hemicheyletia serrula Summers & Price, 1970: 15

Cheletomimus (*Hemicheyletia*) *serrula* (Summers et Price): Fain, Bochkov & Corpuz-Raros, 2002: 48

Type locality: Darwin Res. Station

Distribution: Galapagos Is.

Cheletomimus* (*Hemicheyletia*) *tanosis (Kamran, Khan et Nazir)(spec. inquir.)

Hemicheyletia tanosis Kamran, Khan & Nazir, 2005: 52

Cheletomimus tanosis (Kamran, Khan et Nazir): Halliday, Kamran & Bashir, 2018: 84

Type locality: Chak 98/M.L., 14 km East of Karor, Layyah, Pakistan

Distribution: Pakistan

Host: from pomegranate (*Punica granatum*)

Cheletomimus* (*Hemicheyletia*) *transversa (Corpuz-Raros)

Hemicheyletia transversa Corpuz-Raros, 1972: 257; Corpuz-Raros & Sotto, 1972: 170

Cheletomimus (*Hemicheyletia*) *transversa* (Corpuz-Raros): Fain, Bochkov & Corpuz-Raros, 2002: 39

Hemicheyletia morii Ehara & Ghani Ibrahim, 1988: 237 – Kepong, Selangor, Malaysia.

Syn. by Fain, Bochkov & Corpuz-Raros, 2002: 39

Type locality: Laguna, the Philippines

Distribution: Malaysia, Philippines, Singapore

Host: Plant hosts *Centrostemma multiflora* and *Bambusa* sp.

Cheletomimus* (*Hemicheyletia*) *trepsis (Chaudhri & Akbar)

Hemicheyletia trepsis Chaudhri & Akbar, 1985: 175

Cheletomimus trepsis (Chaudhri & Akbar): Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus* (*Hemicheyletia*) *tropicus (Shiba)

Cheyletia tropica Shiba, 1976: 169

Hemicheyletia tropica (Shiba): Ehara & Ghani, 1988: 240

Cheletomimus (Hemicheyletia) tropica (Shiba): Fain, Bochkov & Corpuz-Raros, 2002: 48
 Type locality: Pasoh Forest Reserve
 Distribution: Malaysia

***Cheletomimus (Hemicheyletia) uichancoi* (Corpuz-Raros)**

Hemicheyletia uichancoi Corpuz-Raros, 1972: 258

Cheletomimus (Hemicheyletia) uichancoi (Corpuz-Raros): Fain, Bochkov & Corpuz-Raros, 2002: 57

Type locality: Laguna, the Philippines

Distribution: Philippines, Vanuatu

Host: Plant host *Leucaena leucocephala* (Mimosaceae)

***Cheletomimus (Hemicheyletia) umbo* (Chaudhri et Akbar)**

Hemicheyletia umbo Chaudhri & Akbar, 1985: 185

Cheletomimus umbo (Chaudhri et Akbar): Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus (Hemicheyletia) vesus* (Qayyum et Chaudhri)**

Hemicheyletia vesus Qayyum & Chaudhri, 1979: 167

Cheletomimus (Hemicheyletia) vesus (Qayyum et Chaudhri): Fain, Bochkov & Corpuz-Raros, 2002: 38; Bochkov, Hakimitabar & Saboori, 2005: 107

Hemicheyletia laguncula Rasool & Chaudhri, 1979: 4 – Pakistan. Syn. by Fain, Bochkov & Corpuz-Raros, 2002: 38

Cheletomimus vesus (Qayyum et Chaudhri): Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Iran, Pakistan

***Cheletomimus (Hemicheyletia) vivus* (Chaudhri et Akbar)**

Hemicheyletia vivus Chaudhri & Akbar, 1985: 177

Cheletomimus vivus (Chaudhri et Akbar): Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus (Hemicheyletia) volgini* (Cunliffe)**

Paracheyletia volgini Cunliffe, 1963: 197

Dendrocheyletia volgini: Volgin, 1969: 210–211

Hemicheyletia volgini (Cunliffe): Summers & Price, 1970: 14

Cheletomimus (Hemicheyletia) volgini (Cunliffe): Fain, Bochkov & Corpuz-Raros, 2002: 48

Type locality: Mulunga (D.R. Congo)

Distribution: D. R. Congo, Rwanda

***Cheletomimus (Hemicheyletia) wellsi* (Baker)**

Cheyletia wellsi Baker, 1949: 300; De Leon, 1962: 132

Paracheyletia wellsi (Baker): Volgin, 1955: 169; Mumma, 1964: 245; Garrett & Haramoto, 1967: 410

Dendrocheyleia wellsi (Baker): Volgin, 1969: 211

Hemicheyletia wellsi (Baker): Summers & Price, 1970: 15; Flechtmann, 1971: 31; Corpuz – Raros & Sotto, 1977: 157; Tseng, 1977: 224; Gerson, 1994: 445; Feres & Flechtmann, 1995: 535

Cheletomimus (Hemicheyletia) wellsi: Fain, Bochkov & Corpuz-Raros, 2002: 45;

Doğan & Ayyıldız, 2004: 1; Bochkov, Hakimitabar & Saboori, 2005: 107; Buosi et al., 2006: 7

Cheletomimus wellsi: Xia, 2010: 161

Type locality: Azores, intercepted at Philadelphia, Pa.

Distribution: Argentina, Australia, Azores, Brazil, Chile, China, Cuba, Iran, Jamaica, Japan, Malaysia, Mexico, Panama, Philippine Is., Puerto Rico, Taiwan (may be *wellsinus*), Trinidad, Turkey, USA (incl. Hawaii)

***Cheletomimus (Hemicheyletia) wellsinus* (De Leon)**

Paracheyletia wellsina De Leon, 1967: 34

Hemicheyletia wellsina (De Leon): Summers & Price, 1970: 18; Corpuz-Raros & Sotto, 1977: 158; Ehara & Abdul Ghani, 1988

Hemicheyletia arecana Tjying, 1972: 8 – Taiwan. Syn. by Fain, Bochkov & Corpuz-Raros, 2002: 45

Cheletomimus (Hemicheyletia) wellsina (De Leon): Fain, Bochkov & Corpuz-Raros, 2002: 45

Cheletomimus (Hemicheyletia) wellsinus (De Leon): Torre Santana, 2015: 50

Cheletomimus wellsina (De Leon): Xia, 2010: 161

Type locality: Trinidad (Caribbean)

Distribution: Algeria, Benin (Dahomey), Cameroon, China, Cuba, Guatemala, Malaysia, Philippine Is., Rwanda, Taiwan, Trinidad, USA (Florida, Texas)

Subgenus *Philippicheyla* Corpuz-Raros

Philippicheyla Corpuz-Raros, 1972: 265 (genus)

Philippicheyla Corpuz-Raros: Fain & Bochkov, 2001: 299 (subgenus of *Hemicheyletia*)

Type species: *Philippicheyla filipina* Corpuz-Raros, 1972

***Cheletomimus (Philippicheyla) ascutatus* Fain, Bochkov et Corpuz-Raros**

Cheletomimus (Philippicheyla) ascutatus Fain, Bochkov & Corpuz-Raros, 2002: 60

Type locality: Elizabeth La, California

Distribution: USA (California)

Host: from inner tree bark

***Cheletomimus (Philippicheyla) crowei* Bochkov et Otto**

Cheletomimus (Philippicheyla) crowei Bochkov & Otto, 2010: 9

Type locality: New Zealand

Distribution: New Zealand

Host: from avocado

***Cheletomimus (Philippicheyla) notelaeae* (Gerson)**

Philippicheyla notelaeae Gerson, 1994: 437

Cheletomimus (Philippicheyla) notelaeae (Gerson): Fain, Bochkov & Corpuz-Raros, 2002: 60

Type locality: Indooroopilly, Queensland

Distribution: Australia (Queensland)

Host: bud scales on branches of *Notelaea longifolia* (Oleraceae)

***Cheletomimus (Philippicheyla) filipina* (Corpus-Raroz)**

Philippicheyla filipina Corpus-Raroz, 1972: 256

Cheletomimus (Philippicheyla) filipina (Corpus-Raroz): Fain, Bochkov & Corpuz-Raros, 2002: 60

Type locality: Mt. Makiling, Laguna, the Philippines

Distribution: Philippines

Host: on decomposing bark of a fallen log

Species inquirendae:

***Cheletomimus binus* Tseng (spec. inquire.)**

Cheletomimus binus Tseng, 1973: 76; Salarzahi, 2018:

Type locality: Taiwan

Distribution: Iran, Taiwan

***Cheletomimus bisetosus* Tseng (spec. inquire.)**

Cheletomimus bisetosus Tseng, 1977

Type locality: Taiwan

Distribution: Taiwan

***Cheletomimus cambio* Aheer, Akbar et Chaudhri (spec. inquire.)**

Cheletomimus cambio Aheer, Akbar & Chaudhri, 1994: 346; Aheer, Akbar & Chaudhri, 1998: 125; Gerson, Fain & Smiley, 1999: 50; Fain, Bochkov & Corpuz-Raros, 2002: 28; Haq & Afzal, 2007: 2206; Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus cantor* Rasool, Chaudhri et Akbar (spec. inquire.)**

Cheletomimus cantor Rasool, Chaudhri & Akbar, 1980: 28; Chaudhri & Akbar, 1985: 145; Aheer, Akbar & Chaudhri, 1998: 125; Gerson, Fain & Smiley, 1999: 50; Fain, Bochkov & Corpuz-Raros, 2002: 28; Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus citrosinensis* Patxot et Goff (spec. inquir.)**

Cheletomimus citrosinensis Patxot & Goff, 1985: 157

Type locality: Oahu I., Mililani

Distribution: USA (Hawaiian Is.)

***Cheletomimus domitus* Chaudhri & Akbar**

Cheletomimus domitus Chaudhri & Akbar, 1985: 150; Aheer, Akbar & Chaudhri, 1998: 126; Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus fissilis* Chaudhri et Akbar**

Cheletomimus fissilis Chaudhri & Akbar, 1985: 155; Aheer, Akbar & Chaudhri, 1998: 126; Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus flecto* Aheer, Akbar et Chaudhri (spec. inquir.)**

Cheletomimus flecto Aheer, Akbar & Chaudhri, 1998: 126; Fain, Bochkov & Corpuz-Raros, 2002: 28; Aheer, Akbar & Chaudhri, 1998: 126; Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus heredis* Qayyum et Chaudhri (spec. inquir.)**

Cheletomimus heredis Qayyum & Chaudhri, 1979: 9; Halliday, Kamran & Bashir, 2018: 84

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus larme* Aheer, Akbar et Chaudhri (spec. inquir.)**

Cheletomimus larme Aheer, Akbar & Chaudhri, 1994: 348; 1998: 125; Halliday, Kamran & Bashir, 2018: 84

Cheletomimus larmae Aheer, Akbar & Chaudhri: Gerson, Fain & Smiley, 1999: 51; Fain, Bochkov & Corpuz-Raros, 2002: 28

Type locality: Pakistan

Distribution: Pakistan

***Cheletomimus minutus* Soliman (spec. inquir.)**

Cheletomimus [sic, err. typogr.] *minutus* Soliman, 1975: 99

Type locality: Borg el Arab

Distribution: Egypt

Cheletomimus sialkotensis Chaudhri et Akbar

Cheletomimus sialkotensis Chaudhri & Akbar, 1985: 147; Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus telma Chaudhri et Akbar

Cheletomimus telma Chaudhri & Akbar, 1985: 149; Aheer, Akbar & Chaudhri, 1998: 130; Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Pakistan

Cheletomimus trema Aheer, Akbar et Chaudhri (**spec. inquire.**)

Cheletomimus trema Aheer, Akbar & Chaudhri, 1998: 126; Fain, Bochkov & Corpuz-Raros, 2002: 28; Halliday, Kamran & Bashir, 2018: 85

Type locality: North West Frontier Province, Dargai

Distribution: Pakistan

Cheletomimus zamia Aheer, Akbar et Chaudhri (**spec. inquire.**)

Cheletomimus zamia Aheer, Akbar & Chaudhri, 1994: 348; 1998: 125; Gerson, Fain & Smiley, 1999: 51; Fain, Bochkov & Corpuz-Raros, 2002: 28; Halliday, Kamran & Bashir, 2018: 85

Type locality: Pakistan

Distribution: Pakistan

Genus ***Cheletophanes*** Oudemans

Cheletophanes Oudemans, 1904: 162

Type species: *Cheyletus montandoni* Berlese et Trouessart, 1889

Cheletophanes montandoni (Berlese et Trouessart)

Cheyletus Montandoni Berlese & Trouessart, 1889: 133

Cheletophanes montandoni (Berlese et Trouessart): Oudemans, 1904b: 162; 1906: 140; Baker, 1949 : 303; Volgin, 1969: 165; Summers & Price, 1970: 35

Type locality: Broșteni

Distribution: Romania

Host: *Aradus pictus* (Heteroptera: Aradidae)

Cheletophanes peregrinus Berlese (**inc. sed.**)

Cheletophanes peregrinus Berlese, 1921: 194; Baker, 1949: 304

Type locality: Florence

Distribution: Italy

Host: „in detritis corticis pinorum, ad terram”

Genus ***Cheletophyes*** Oudemans

Cheletophyes Oudemans, 1914: 101

Type species: *Cheletophyes vitzthumi* Oudemans, 1914

Cheletophyes apicola Fain, Lukoschus et Nadchatram

Cheletophyes apicola Fain, Lukoschus & Nadchatram, 1980: 311; Fain & Bochkov, 2001: 63

Type locality: Kuala Pilah, Negri Sembilan

Distribution: Malaysia

Host: nest of *Xylocopa (Platynopoda) latipes* (Hymenoptera: Apidae)

Cheletophyes aurorae Haitlinger

Cheletophyes aurorae Haitlinger, 2000: 86

Type locality: Arusha

Distribution: Tanzania

Host: Xylocopinae (Hymenoptera: Apidae)

Cheletophyes clavipilis Fain, Lukoschus et Nadchatram

Cheletophyes clavipilis Fain, Lukoschus & Nadchatram, 1980: 310

Type locality: Kuala Pilah, Negri Sembilan

Distribution: Malaysia

Host: nest of *Xylocopa (Platynopoda) latipes* (Hymenoptera: Apidae)

Cheletophyes decorus Bochkov et Klimov

Cheletophyes decorus Bochkov & Klimov, 2005: 19

Type locality: Cam Ranh Peninsula, Khanh Hoa Prov. (Vietnam), Trang Prov., Khao Chong Nature Education Centre (Thailand)

Distribution: Thailand, Vietnam

Host: *Xylocopa tranquebarica* (Hymenoptera: Apidae)

Cheletophyes eckerti Summers et Price

Cheletophyes eckerti Summers & Price, 1970: 40; Fain & Bochkov, 2001: 64

Type locality: Ludhiana (India)

Distribution: Angola, D.R. Congo, India

Host: *Xylocopa (Koptortosoma) aestuans* (Hymenoptera: Apidae)

Cheletophyes indiacus Smiley et Whitaker

Cheletophyes indiacus Smiley & Whitaker, 1981: 123; Fain & Bochkov, 2001: 63

Cheletophyes xylocopae Ramaraju & Mohanasundaram, 1999: 121 – Tamil Nadu, Coimbatore, India, from *Xylocopa* sp. (Hymenoptera: Apidae)

Type locality: India

Distribution: India

Host: *Xylocopa* sp. (Hymenoptera: Apidae)

Cheletophyes mbomba Klimov, Bochkov et OConnor

Cheletophyes mbomba Klimov, Bochkov & OConnor, 2006: 56

Type locality: Bas-Uele Prov., Bambesa

Distribution: DR Congo

Host: *Xylocopa torrida* (Hymenoptera: Apidae)

Cheletophyes occisor Bochkov et Klimov

Cheletophyes occisor Bochkov & Klimov, 2005: 18

Type locality: Popondetta Distr., Popondetta

Distribution: Papua New Guinea

Host: *Xylocopa aruana* (Hymenoptera: Apidae)

Cheletophyes panamensis Klompen, Méndez et Lukoschus

Cheletophyes panamensis Klompen, Méndez & Lukoschus, 1984: 249; Fain & Bochkov, 2001: 63

Type locality: Capira, Aguacate (Panama)

Distribution: Costa Rica, Panama

Host: *Xylocopa* (*Megaxylocopa*) *frontalis* (Hymenoptera: Apidae)

Cheletophyes torridae Klimov, Bochkov et OConnor

Cheletophyes torridae Klimov, Bochkov & OConnor, 2006: 55

Type locality: Sangmelima, Fulasi

Distribution: Cameroon

Host: *Xylocopa torrida* (Hymenoptera: Apidae)

Cheletophyes vespae Fain et Bochkov

Cheletophyes vespae Fain & Bochkov, 2001: 65

Type locality: KG. Dusun, Tampin, N. Sembilan

Distribution: Malaysia (N. Sembilan)

Host: *Vespa tropica* (Hymenoptera: Vespidae)

Cheletophyes vitzthumi Oudemans

Cheletophyes vitzthumi Oudemans, 1914:101; 1915: 51; Volgin, 1965: 290; 1969: 160; Summers & Price, 1970: 40; Fain & Bochkov, 2001: 63

Type locality: Willowmore, Cape Province

Distribution: South Africa

Host: *Xylocopa (Koptorthosoma) caffra* (Hymenoptera: Apidae)

Species inquirendae (Fain & Bochkov, 2001: 61):

Cheletophyes deodikari Putatunda et Kapil

Cheletophyes deodikari Putatunda & Kapil, 1988: 318

Type locality: Haryana, Hisar

Distribution: India

Host: *Xylocopa fenestrata* (Hymenoptera: Apidae)

Cheletophyes harnaji Putatunda et Kapil

Cheletophyes harnaji Putatunda & Kapil, 1988: 320

Type locality: India

Distribution: India

Host: *Xylocopa pubescens* (Hymenoptera: Apidae)

Cheletophyes newtoni Putatunda et Kapil

Cheletophyes newtoni Putatunda & Kapil, 1988: 322

Type locality: Haryana, Hisar

Distribution: India

Host: *Xylocopa fenestrata* (Hymenoptera: Apidae)

Cheletophyes orientalis Putatunda et Kapil

Cheletophyes orientalis Putatunda & Kapil, 1988: 324

Type locality: Haryana, Hisar

Distribution: India

Host: *Xylocopa fenestrata* (Hymenoptera: Apidae)

Cheletophyes ruttneri Putatunda et Kapil

Cheletophyes ruttneri Putatunda & Kapil, 1988: 325

Type locality: Haryana, Hisar

Distribution: India

Host: *Xylocopa fenestrata* (Hymenoptera: Apidae)

Cheletophyes shendei Putatunda et Kapil

Cheletophyes shendei Putatunda & Kapil, 1988: 326

Type locality: India

Distribution: India

Host: *Xylocopa fenestrata* (Hymenoptera: Apidae)

Genus ***Cheyletus*** Latreille*Cheyletus* Latreille, 1796: 179Type species: *Acarus eruditus* Schrank, 1781***Cheyletus ascutatus*** Bochkov et OConnor*Cheyletus ascutatus* Bochkov & OConnor, 2003 : 327

Type locality: Leyte Is., 10 km N, 4,5 km E Baybay

Distribution: Philippines (Leyte)

Host: *Batomys salomonseni* (Rodentia: Muridae)***Cheyletus attiahi*** Yousef et Issa*Cheyletus attiahi* Yousef & Issa, 1972: 42

Type locality: Egypt

Distribution: Egypt

Cheyletus batomysi Bochkov et OConnor*Cheyletus batomysi* Bochkov & OConnor, 2003: 329

Type locality: Bukidnon Prov., Mindanao Is., Mt. Katangland Range, Camp Phillips, 2250 m

Distribution: Philippines

Host: *Batomys salomonseni* (Rodentia: Muridae)***Cheyletus bidentatus*** Fain et Nadchatram*Cheyletus bidentatus* Fain & Nadchatram, 1980: 194

Type locality: Bukit Lanjan Forest Reserve, Selangor, Segamat, Labis Forest Reserve (Johore)

Distribution: Iran, Malaysia (Selangor, Johore)

Host: nest of *Hylopetes spadiceus* (Rodentia: Sciuridae)***Cheyletus cacahuamilpensis*** Baker*Cheyletus cacahuamilpensis* Baker, 1949: 282; Volgin, 1949: 114; Costa, 1961: 259; 1967: 109; Summers & Price, 1970: 26; Fain, 1982: 89; Fain & Bochkov, 2001; Whitaker et al., 2007: 6; Palyvos et al., 2008: 213; Salarzahi et al., 2018: 465*Eucheyletia mungeri* McGregor, 1956: 24 (syn. by Summers & Price, 1970)*Cheyletus baloghi* Volgin, 1969: 116. Type: Crimea (Sevastopol), on *Spermophilus [Citellus] pygmaeus* (nests)

Type locality: Cave of Cacahuamilpa (Mexico, Guerrero)

Distribution: Algeria, Crimea, Greece, Iran, Israel, Mexico, Peru, USA, South Africa

Hosts: bat guano, *Myotis velifer* (Chiroptera: Vespertilionidae), *Spermophilus [Citellus] pygmaeus* (Rodentia: Sciuridae, nests), *Microtus guentheri* (Rodentia: Arvicolidae)

***Cheyletus carnifex* Zachvatkin**

Cheyletus carnifex Zachvatkin, 1935: 27; Rohdendorf, 1940: 89; Volgin, 1969: 112; Torre Santana, 2015

Cheyletus aversor Rohdendorf, 1940: 86; Baker, 1949: 283; Volgin, 1955: 163; 1969: 89; Wharton & Arlian, 1972: 719; Žďárková, 1979; Shen, 1991; Lin et al., 2000; Xia et al., 2000; Lukáš et al., 2007: 97 – Bulgaria, China, Czech Republic, Russia, Tajikistan, Uganda, Ukraine, USA

Cheyletus beauchampi Baker, 1949: 282 – Portugal, intercepted at Boston, Mass. (syn. by Summers & Price, 1970)

Cheyletus acarophagus Zacher & Soliman, 1967: 25

Cheyletus allactaga Fain & Lukoschus, 1981: 122 – Bulgan-Gol, Mongolia, on *Allactaga sibirica* (Rodentia: Dipodidae)

Cheyletus zaheri Hassan & Rakha, 1982: 89

Type locality of *Cheyletus carnifex*: Moscow

Type locality of *Cheyletus aversor*: Ordzhonikidze (Caucasus) and Altai

Type locality of *Cheyletus acarophagus*: Egypt

Type locality of *Cheyletus zaheri*: Egypt

Distribution: Bulgaria, China, Czech Republic, Iran, Russia, Tajikistan, Uganda, Ukraine

Hosts: *Allactaga sibirica* (Rodentia: Dipodidae)

***Cheyletus eruditus* (Schränk)**

Acarus eruditus Schränk, 1781: 513

Cheyletus robertsoni Brady, 1875: 302

Cheletes eruditus (Schränk): Oudemans, 1903: 118; 1906: 84

Eutarsus cancriformis Hessling, 1852: 258

Cheyletus ferox Berlese et Trouessart, 1889: 14; Banks, 1906: 134 – “Port-Praslin Nieuw Ireland”.

Cheletes ferox (Berlese et Trouessart): Oudemans, 1903a: 83; 1906: 115

Cheyletus eburneus Hardy, 1933: 336

Cheyletus seminivorus, Packard, 1870: 665; Ewing, 1909: 76; 1912: 416

Cheyletus doddi Baker, 1949: 279 – Ithaca, N.Y.

Cheyletus desitus Qayyum & Chaudhri, 1977: 90

Cheyletus mortelmansi Fain, 1972: 37 – Zoo d’Anvers

Cheyletus eruditus (Schränk): Kramer, 1876: 188; Canestrini, 1886: 171; Haller, 1882: 312; Oudemans, 1903: 118; Jablonowski, 1918: 4; Hughes, 1948: 102; Baker, 1949: 278; Starkoff & Starkoff, 1950: 96; Turk, 1953: 18; Franz, 1954: 367; Haarløv, 1957: 26; Cwilich & Hadani, 1965: 54; Volgin, 1969: 78; Shiba, 1969b: 101; 1969a: 159; Shen, 1975; Mumcuoglu, 1976: 365; Kumada et al., 1978: 262; Hallas, 1978: 30; Whitaker et al., 2007: 6; Xia, 2010: 161; Torre Santana, 2015; Halliday, Kamran & Bashir, 2018: 87

Cheletes strennus Oudemans, 1904: 161; 1906: 8.3

Cheyletus strennus: Baker, 1949: 280

Type locality: Austria

Distribution: cosmopolitic

Hosts: *Coracopsis nigra barkleyi* (Psittaciformes: Psittichasiidae), *Didelphis virginiana* (Didelphiomorpha: Didelphidae), *Pipistrellus abramus* (Chiroptera: Vespertilionidae), *Peromyscus leucopus* (Rodentia: Cricetidae, Neotominae), *Menetes berdmorei*, *Rattus norvegicus* (Rodentia: Muridae), *Sciurus carolinensis* (Rodentia: Sciuridae), *Bassariscus astutus* (Carnivora: Procyonidae)

Cheyletus funisciuri (Fain)

Eucheyletia funisciuri Fain, 1972: 38

Cheyletus funisciuri (Fain): Fain & Bochkov, 2001: 100

Type locality: Rwanda

Distribution: DR Congo, Rwanda

Host: *Funisciurus carruthersi* (Rodentia: Sciuridae)

Cheyletus gerbillicola Fain et Lukoschus

Cheyletus gerbillicola Fain & Lukoschus, 1981: 6

Type locality: Askham, South of Kalahari region

Distribution: South Africa

Host: *Gerbillurus paebe* (Rodentia: Muridae, Gerbillinae)

Cheyletus kivuensis (Fain)

Eucheyletia kivuensis Fain, 1972: 39

Cheyletus kivuensis (Fain): Fain & Bochkov, 2001: 100

Type locality: Kivu

Distribution: D.R. Congo

Host: Rodentia indet.

Cheyletus kuznetzovi Bochkov et Khaustov

Cheyletus kuznetzovi Bochkov & Khaustov, 1999: 116; Dogan, Jalaeian & Kamali, 2011: 782

Type locality: Dagskiy Reserve (Turkmenistan)

Distribution: Iran, Turkmenistan

Host: from ant hill

Cheyletus legendrei Fain

Cheyletus legendrei Fain, 1982: 83

Type locality: Tananarive

Distribution: Madagascar

Host: nest of *Foudia madagascariensis* (Passeriformes: Ploceidae)

***Cheyletus linsdalei* Baker**

Cheyletus linsdalei Baker, 1949: 281; Volgin, 1969: 111; Summers & Price, 1970: 29

Type locality: California, Monterey Co.

Distribution: USA (California)

Host: *Citellus beecheyi* (Rodentia: Sciuridae)

***Cheyletus mafekingensis* Fain**

Cheyletus mafekingensis Fain, 1982: 86

Type locality: Mafeking

Distribution: South Africa

Host: *Philetarius socius* (Passeriformes: Ploceidae)

***Cheyletus malaccensis* (Oudemans)**

Cheletes malaccensis Oudemans, 1903a: 84; 1906: 88

Cheyletus malaccensis (Oudemans): Baker, 1949: 284; Hughes, 1961: 197; Gerson, 1967: 361; Shiba, 1969a: 161; Flechtmann, 1971: 30; Regev, 1974: 85; Shen, 1975; Nakada, 1975: 151; Kumada et al., 1978: 262; Caceres & Fain, 1978: 302; Rosa & Flechtmann, 1979: 196; Žďárková, 1979; Fain & Nadchatram, 1980: 191; Saleh et al., 1986: 37; Whitaker & Dietz, 1987: 194; Rostom, 1993: 29; Mariana et al., 2000: 714; Lukáš et al., 2007: 97; Palyvos et al., 2008: 213; Xia, 2010: 162; Torre Santana, 2015; Halliday, Kamran & Bashir, 2018: 87

Cheyletus ugandanus Lawrence, 1954: 65 – Karamoja, Uganda, nest of weaver-bird

Cheyletus ayyazi Akbar, Aheer & Ishtiaq, 1993: 293 – Pakistan

Cheyletus polymorphus Volgin, 1949: 584; 1969: 90; Sosnina et al., 1969: 370 – Greece, Bulgaria

Cheyletus caucasicus Zachvatkin, 1949: 288

Cheyletus egypticus Elbadry, 1969: 157 – Egypt

Cheyletus baridos Akbar, Rahi & Chaudhri, 1988: 5 – Pakistan

Cheyletus wahndoensis Akbar & Aheer, 1994: 343 – Pakistan

Cheyletus avidus Qayyum & Chaudhri, 1977: 89 – Pakistan

Cheyletus mianiensis Farooq, Akbar & Qureshi, 2000: 257 – Pakistan

Cheyletus rafiquiensis Farooq, Akbar & Qureshi, 2000: 259 – Pakistan

Cheyletus phantosis Akbar & Aheer, 1994: 342 – Pakistan

Cheletes vorax Oudemans, 1903b: 84; 1906: 122 – Mariana Is., bats (Chiroptera)

Cheyletus vorax (Oud.): Volgin, 1969: 99

Cheyletus rohdendorfi Zachvatkin, 1949: 290; Volgin, 1969: 80; Rekk, 1976: 68 – Baku, Azerbaidjan; Armenia

Cheyletus infensus Akbar, Aheer & Shaudhri, 1993: 295 – Pakistan

Cheletes fortis Oudemans, 1904: 161; 1906: 96 – on parrot skin, New Guinea

Cheyletus fortis (Oud.): Baker, 1949: 280; Tanaka, 1953: 73; Shiba, 1966: 142; 1969a: 161; Volgin, 1969: 87; Summers & Price, 1970: 28; Fain & Nadchatram, 1980: 191; Patxot & Goff, 1985: 162; Mariana et al., 2000: 714; Ezequiel et al., 2001: 913

Type locality: Malacca, Straits Settlements

Distribution: Algeria, Australia (Queensland), Azerbaidzan, Bangladesh, Brazil, Bulgaria, Burma, China, Czech Rep., D. R. Congo, Cuba, Greece, India, Iran, Israel, Japan, Malaysia, New Guinea, Pakistan, Philippines, Peru, Russia, Rwanda, Saudi Arabia, Senegal, Tadjikistan, Taiwan, USA (Hawaian is.)

Hosts: *Psittinus incertus* (Psittaciformes: Psittacidae), *Pipistrellus abramus* (Chiroptera: Vespertilionidae), *Callosciurus sladeni midas*, *Petinomys setosus* (Rodentia: Sciuridae), *Thalpomys [Akodon] reinhardti* (Rodentia: Arvicolidae, Sigmodontinae); *Microtus arvalis* (Rodentia: Arvicolidae), nests of birds and rats; for *Cheyletus fortis*: rodents (*Callosciurus*, *Ratufa*, *Rattus*). According to Fain & Nadchatram (1980), „accidental contamination“

***Cheyletus malayensis* Cunliffe**

Cheyletus malayensis Cunliffe, 1962: 201; Patxot & Goff, 1985: 161; Fain & Nadchatram, 1980: 192; Mariana et al., 2000: 714; Torre Santana, 2015

Type locality: Rantau Panjang, 5 mi N of Klang, Selangor, Malaysia

Distribution: Cuba, India, Iran, Malaysia, USA (Hawaian Is. – Oahu)

Hosts: nests of *Lonchura malacca* (= *Munia atricapilla*), *Munia striata*, *Pycnonotus goiaver* (Passeriformes: Estrildidae)

***Cheyletus misonnei* Fain et Lukoschus**

Cheyletus misonnei Fain & Lukoschus, 1981: 1

Type locality: Aminuis

Distribution: Namibia

Host: *Tatera* sp. (Rodentia: Arvicolidae)

***Cheyletus morinus* Barilo**

Cheyletus morinus Barilo, 1986: 27

Type locality: Uzbekistan

Distribution: Uzbekistan

***Cheyletus nidicolus* Fain**

Cheyletus nidicolus Fain, 1972: 37; 1979: 280

Type locality: Butare

Distribution: Rwanda, South Africa

Host: birds' nests

***Cheyletus philippinensis* Corpuz-Raros**

Cheyletus philippinensis Corpuz-Raros, 1988: 328

Type locality: Philippines

Distribution: Philippines

Hosts: woodpeckers (Picoidea: Picidae), *Harpactes ardens* (Trogoniformes: Trogonidae)

Cheyletus pluridens Fain et Nadchatram

Cheyletus pluridens Fain & Nadchatram, 1980: 195

Type locality: Kuantan (Pahang), Ulu Langat Forest Reserve (Selangor)

Distribution: Malaysia (Selangor)

Host: *Rhinosciurus laticaudatus* (Rodentia: Sciuridae)

Cheyletus pseudomalaccensis Fain

Cheyletus pseudomalaccensis Fain, 1982: 86

Type locality: Potchefstroom, Transvaal

Distribution: South Africa

Host: *Plocepasser mahali* (Passeriformes: Ploceidae)

Cheyletus punctulatus Fain et Lukoschus

Cheyletus punctulatus Fain & Lukoschus, 1981: 121

Type locality: 20 km N. of Oned Draa, Southern Morocco

Distribution: Morocco

Host: *Gerbillus pyramidum* (Rodentia: Muridae, Gerbillinae)

Cheyletus rarus Shiba

Cheyletus rarus Shiba, 1969: 162

Type locality: Kuwabara-- sho, Matsuyama

Distribution: Japan

Cheyletus rashtiensis Salarzahi, Hajizadeh et Ueckermann

Cheyletus rashtiensis Salarzahi, Hajizadeh & Ueckermann, 2018: 641; Khaustov, 2021: 228

Type locality: Rasht (Iran)

Distribution: Iran, Russia (Siberia)

Cheyletus rwandae Fain

Cheyletus rwandae Fain, 1972: 38; 1979: 282

Type locality: Butare

Distribution: D. R. Congo, Rwanda

Host: *Tachyoryctes rwandae* (Rodentia: Rhizomyidae)

Cheyletus schneideri (Oudemans)

Cheyletus schneideri (Oud.): Oudemans, 1902: 15; Turk, 1946: 805; Baker, 1949: 281;

Volgin, 1969: 102

Cheletes schneideri Oudemans, 1904: 16; 1906: 84

Type locality: San Remo (Italy)

Distribution: England, Italy

***Cheyletus strennus* (Oudemans)**

Cheletes strennus Oudemans, 1904: 161; 1906: 83

Cheyletus strennus: Baker, 1949: 280

Type locality: unknown

Distribution: unknown

Host: unknown

***Cheyletus tanzaniensis* (Fain)**

Eucheyletia tanzaniensis Fain, 1972 : 39

Cheyletus tanzaniensis (Fain): Fain & Bochkov, 2001: 101

Type locality: Tanganyika

Distribution: Tanzania

Hosts: *Coleura gallarum* (Chiroptera: Emballonuridae); nests of rodents (*Dasymys incomtus*, *Pelomys walambae*, *Textor* sp., *Lagonosticta senegallus*)

***Cheyletus trouessarti* Oudemans**

Cheletes trouessarti Oudemans, 1902: 16; 1903: 129; 1906: 88

Cheyletus macrocherus Hardy, 1933: 350

Cheyletus furibundus Rohdendorf, 1940: 85 – Kirzhach, Russia (Vladimirskaia obl.)

Cheyletus davisii Baker, 1949: 283 – Italy, intercepted at Boston, Mass. (syn. by Summers & Price, 1970)

Cheyletus truculentus Volgin, 1949: 586; 1969: 113 – Karaganda, Kazakhstan

Cheyletus praedabundus Kuzin, in Rohdendorf, 1940: 85 – Rostov on Don, Russia

Cheyletus woodroffei Jeffrey, 1980: 46 – Upton Grey, Hampshire, England, from a bat roost (probably *Plecotus auritus*)

Cheyletus trouessarti (Oudemans): Oudemans, 1903: 16; Baker, 1949: 280; Volgin, 1969: 109; Shen, 1975; Caceres & Fain, 1978: 302; Mumcuoglu, 1976: 365; Hallas, 1978: 30; Žďárková, 1979; Haitlinger, 1982: 442; Philips & Dindal, 1990: 177; Lucza, Ripka & Saly, 1996; Bochkov, Hakimitabar & Saboori, 2005: 106; Lukáš et al., 2007: 97; Xia, 2010: 162

Type locality: unknown

Distribution: Bulgaria, China, Czech Rep., Denmark, England, Holland, Hungary, India, Iran, Kazakhstan, Peru, Poland, Russia, Switzerland, USA

***Cheyletus trux* Rohdendorf**

Cheyletus trux Rohdendorf, 1940: 87; Baker, 1949: 282; Rekk, 1976: 68; Vysotskaja, 1977: 188; Efremova & Bochkov, 1990: 99; Eliopoulos & Papadoulis, 2001:

Cheyletus hendersoni Baker, 1949: 279 – Arkansas Cave, USA; “Czechoslovakia”

Cheyletus tenuipilis Fain, Feldman-Musham & Mumcuoglu, 1980: 35 – La Louvière (Belgium); Louadi & Robaux, 1992: 183

Type locality: Ivanovo, Tatarstan

Distribution: Algeria, Belarus, Belgium, “Czechoslovakia”, Georgia, Greece, Israel, Russia, Switzerland, Ukraine, USA (Arkansas, New Mexico, Colorado)

Host: nests, stored grain, house dust

***Cheyletus venator* Vitzthum**

Cheletes venator Vitzthum, 1920: 2

Cheyletus venator (Vitzthum) Volgin, 1969: 119

Type locality: Amani

Distribution: Tanzania

Host: nest of *Xylocopa* (*Afroxylocopa*) *nigrita* (Hymenoptera: Apidae)

***Cheyletus vivatus* Qayyum et Chaudhri**

Cheyletus vivatus Qayyum & Chaudhri, 1977: 92; Halliday, Kamran & Bashir, 2018: 87

Cheyletus spatiosus Qayyum & Chaudhri, 1977: 94

Cheyletus tutela Qayyum & Chaudhri, 1977: 95

Type locality: Pakistan

Distribution: Pakistan

***Cheyletus volgini* Fain et Bochkov**

Cheyletus volgini Fain & Bochkov, 2001: 95

Type locality: Russia

Distribution: Russia

***Cheyletus zumpti* Fain**

Cheyletus zumpti Fain, 1972: 38; 1979: 281

Type locality: Garamba Nat. Park

Distribution: D. R. Congo, South Africa, Nigeria, Rwanda

Host: nests of rodents; type from *Tatera* (Rodentia: Arvicolidae)

Species inquirendae:

***Cheyletus acer* Oudemans**

Cheletes acer Oudemans, 1904b:162; 1906: 112

Cheyletus acer (Oudemans): Baker, 1949: 286; Volgin, 1969: 94

Type locality: Colombia

Distribution: Colombia

Host: Aves (Birdskin)

***Cheyletus alacer* (Oudemans)**

Cheletes alacer Oudemans, 1904b: 162; 1906: 108

Cheyletus alacer Oudemans: Baker, 1949: 285

Type locality: Colombia

Distribution: Colombia

Host: skin of *Pyrrhura cruentata* (Psittaciformes: Psittacidae)

***Cheyletus audax* Oudemans**

Cheletes audax Oudemans, 1904: 162; 1906: 99

Cheyletus audax (Oudemans): Baker, 1949: 285; Volgin, 1969: 93

Type locality: New Guinea

Distribution: New Guinea

Host: skin (Aves indet.)

***Cheyletus burmiticus* Cockerell**

Cheyletus burmiticus Cockerell, 1917: 41; Baker, 1949: 287 (inc. sedis)

Type locality: Burma

Distribution: Burma

Host: Burmese amber

***Cheyletus clavispinus* Banks**

Cheyletus clavispinus Banks, 1902: 172; 1906: 746

Type locality: Indianapolis (Indiana)

Distribution: USA (Indiana)

Host: Beneath wings of an *Aradus* (Heteroptera)

***Cheyletus crassus* Qayyum et Chaudhri**

Cheyletus crassus Qayyum & Chaudhri, 1977: 87; Chaudhri, Akbar & Rasool, 1979: 153;

Akbar, Rahi & Chaudhri, 1988: 5; Gerson, Fain & Smiley, 1999: 55; Farooq, Akbar &

Qureshi, 2000: 257; Fain & Bochkov, 2001: 84; Halliday, Kamran & Bashir, 2018: 86

Type locality: Pakistan

Distribution: Pakistan

***Cheyletus ferox* Trouessart**

Cheyletus ferox Trouessart, 1889: 134; Volgin, 1969: 96

Cheletes ferox, Oudemans, 1906: 115

Type locality: Praslin

Distribution: Seychelle Is.

Host: *Coracopsis nigra barklyi* (Psittaciformes: Psittacidae)

***Cheyletus intrepidus* (Oudemans)**

Cheletes intrepidus Oudemans, 1903b: 84; 1906: 119

Cheyletus intrepidus, Volgin, 1969: 98

Type locality: Colombia

Distribution: Colombia

Host: Aves indet.

Cheyletus nigriceps Mola

Cheyletus nigriceps Mola, 1907: 43

Type locality: Europe

Distribution: Europe

Cheyletus parumsetosus Karpelles

Cheyletus parumsetosus Karpelles, 1884: 238

Cheletes parumsetosus: Oudemans, 1906: 81

Type locality: Europe

Distribution: Europe

Cheyletus patagiatus Nordenskiöld

Cheyletus patagiatus Nordenskiöld, 1900: 37

Type locality: Finland ?

Distribution: Finland ?

Cheyletus promptus Oudemans

Cheletes promptus Oudemans, 1904b: 161; 1906: 81

Type locality: New Guinea

Distribution: New Guinea

Host: bird's skin

Cheyletus rapax (Oudemans)

Cheletes rapax Oudemans, 1903a: 84; 1906: 103

Cheyletus rapax (Oudemans): Baker, 1949: 284; Volgin, 1969: 85

Type locality: Mariana is.

Distribution: Mariana Is.

Hosts: birds and mammals in det.

Cheyletus saevus (Oudemans)

Cheletes saevus Oudemans, 1904b: 161; 1906: 84

Cheyletus saevus Oudemans: Baker, 1949: 287

Type locality: Netherlands

Distribution: Netherlands

Host: in dust

Genus ***Eucheyletia*** Baker

Eucheyletia Baker, 1949: 294

Type species: *Eucheyletia bishoppi* Baker, 1949

***Eucheyletia bakeri* Volgin**

Eucheyletia bakeri Volgin, 1963a: 62; 1969: 149; Fain & Bochkov, 2001: 49

Type locality: Alaska

Distribution: USA (Alaska)

Host: *Bombus* sp. (Hymenoptera: Apidae)

***Eucheyletia bishoppi* Baker**

Eucheyletia bishoppi Baker, 1949: 295; Volgin, 1963: 57; 1969: 142; Summers & Price, 1970: 32; Fain & Bochkov, 2001: 49; Xia et al., 2004; Xia, 2010: 162

Eucheyletia asiatica Volgin, 1955: 166; 1969: 144; Vysotskaja, 1974: 136 – Kazakhstan, Ukraine, in nests of rodents

Eucheyletia oregonensis Smiley & Whitaker, 1981: 11 – type from Oregon, nest of *Glaucomys sabrinus* (Sciuridae); Shen, 1991; Xia, 2010: 162

Type locality: California

Distribution: China, Kazakhstan, Ukraine, USA (California, Oregon)

Hosts: nest of *Neotoma fuscipes* (Rodentia: Arvicolidae), soil samples; from *Tamias striatus* and nest of *Glaucomys sabrinus* (Sciuridae); from *Sorex pacificus* and *S. trowbridgei* (Soricomorpha: Soricidae)

***Eucheyletia bothrophila* Volgin**

Eucheyletia bothrophila Volgin, 1963a: 44; 1969: 126; Vysotskaja, 1977: 188; Efremova & Bochkov, 1990: 102; Fain & Bochkov, 2001: 49

Type locality: Khustovskiy Distr., Zakarpatskaya obl.

Distribution: Belarus, Ukraine

Host: nests of rodents (*Myodes* = *Clethrionomys glareolus*, *Microtus arvalis*, *M. nivalis*, *Sylvaemus flavicollis*, *Sciurus vulgaris*)

***Eucheyletia eoa* Volgin**

Eucheyletia eoa Volgin, 1963a: 52; 1969: 134; Fain & Bochkov, 2001: 49

Type locality: Olginskiy Region, Imanskiy Region (Primorskiy Krai)

Distribution: Russia (Primorskiy Krai in the Far East)

Host: nests of rodents (*Eutamias sibiricus*, *Apodemus speciosus*)

***Eucheyletia flabellifera* (Michael)**

Cheyletus flabellifer Michael, 1878: 135; Mégnin, 1880: 241

Cheyletus (*Cheyletia*) *flabellifer*: Berlese, 1893: 64

Cheyletia flabellifera: Oudemans, 1904a: 162

Cheletia flabellifera, Oudemans, 1906: 127

Eucheyletia flabellifera (Michael): Baker, 1949: 295; Volgin, 1963a: 47; 1969: 124;

Kolebinova, 1967: 75; Shen, 1975; Haitlinger, 1982: 442; Fain & Bochkov, 2001: 49; Xia, 2010: 162; Salarzehi et al., 2018: 480

Eucheyletia taurica Volgin, 1963a: 48; 1969: 130 – Gurzuf, Crimea

Type locality: Warwickshire (England)

Distribution: Austria, Belgium, Bulgaria, China, England, Germany, Holland, Iran, Poland, Crimea

Hosts: *Myodes* [*Clethrionomys*] *glareolus*, *Microtus arvalis* (Rodentia: Arvicolidae), *Sylvaeus flavicollis*, *S. sylvaticus* (Muridae), *Glis glis* (Gliridae), *Crocidura russula*, *C. suaveolens* (Soricomorpha: Soricidae), *Talpa europaea* (Soricomorpha: Talpidae), birds

***Eucheyletia hardyi* Baker**

Eucheyletia hardyi Baker, 1949: 296; Volgin, 1963: 56; 1969: 141; Summers & Price, 1970: 33; Mosquera, 1989: 73; Fain & Bochkov, 2001: 49

Type locality: Harlingen, Texas

Distribution: Argentina, Chile, USA (Texas)

Host: nest of *Neotoma micropus* (Rodentia: Arvicolidae)

***Eucheyletia harpyia* (Rohdendorf)**

Cheyletia harpyia Rohdendorf, 1940: 90

Eucheyletia harpyia (Rohdendorf): Baker, 1949: 294; Volgin, 1963a: 59; 1969: 148; Shen, 1975; Fain & Bochkov, 2001: 49; Xia, 2010: 162

Type locality: Ivanovskaya Oblast (Russia)

Distribution: China, Russia

***Eucheyletia nidicola* Definado et Khaing-Fields**

Eucheyletia nidicola Definado & Khaing-Fields, 1976: 193

Type locality: New York

Distribution: USA

***Eucheyletia omissa* Xia, Liang et Zhu**

Eucheyletia omissa Xia, Liang & Zhu, 2004; Xia, 2010: 162

Type locality: China

Distribution: China

***Eucheyletia pavlovskiy* Volgin**

Eucheyletia pavlovskiy Volgin, 1963a: 54; 1969: 138; Fain & Bochkov, 2001: 49

Type locality: Karaganda Area

Distribution: Kazakhstan

Host: nest of *Lagurus lagurus* (Rodentia: Arvicolidae)

***Eucheyletia sibirica* Volgin**

Eucheyletia sibirica Volgin, 1963a: 61; 1969: 151; Efremova & Bochkov, 1990: 98; Fain & Bochkov, 2001: 49

Type locality: Asinovskiy Region, Tomskaya obl.

Distribution: Belarus, Russia

***Eucheyletia sinensis* Volgin**

Eucheyletia sinensis Volgin, 1963a: 50; 1969: 133; Summers & Price, 1970: 33; Whitaker, Baccus, Cleveland & Gu, 1990; Fain & Bochkov, 2001: 49; Xia, 2010: 162

Type locality: Yunnan

Distribution: China (Yunnan), Nepal, Taiwan

Hosts: *Niviventer fulvescens*, *Rattus losea* [*humiliatus*] *celsus* (Rodentia: Muridae)

***Eucheyletia variformis* Lin**

Eucheyletia variformis Lin, 2000: 187

Type locality: Fujian

Distribution: China

***Eucheyletia womersleyi* Volgin (inc. sed.)**

Eucheyletia womersleyi Volgin, 1963: 59; 1969: 121

Type locality: Australia

Distribution: Australia

Genus *Granulocheyletus* Fain et Bochkov

Granulocheyletus Fain & Bochkov, 2002: 37

Type species: *Granulocheyletus corpuzrarosae* Fain et Bochkov, 2002

***Granulocheyletus corpuzrarosae* Fain et Bochkov**

Granulocheyletus corpuzrarosae Fain & Bochkov, 2002: 38

Type locality: Weelawadjia Cave, near Eneabba, Western Australia

Distribution: Australia

***Granulocheyletus gallowayi* Fain**

Granulocheyletus gallowayi Fain, 2003: 100

Type locality: Motunau Isl., New Zealand, from the nest of *Eudyptula albosignata* (Sphenisciformes: Spheniscidae)

Distribution: New Zealand

***Granulocheyletus kureatollensis* (Goff)**

Hemicheyletia kureatollensis Goff, 1982: 83

Granulocheyletus kureatollensis (Goff): Fain & Bochkov, 2002: 40; Fain, 2003: 101

Type locality: Kure Atoll

Distribution: Hawaiian Is.

Genus *Kenyacheylus* Fain et Bochkov

Kenyacheylus Fain & Bochkov, 2001: 56

Type species: *Kenyacheylus troglodytes* Fain et Bochkov, 2001

Kenyacheylus troglodytes Fain et Bochkov

Kenyacheylus troglodytes Fain & Bochkov, 2001: 56

Type locality: Kimakia Cave, Kiboko, 140 km SE Nairobi

Distribution: Kenya

Genus ***Ker*** Muma

Ker Muma, 1964: 250

Type species: *Ker palmatus* Muma, 1964

Ker acidalia Aheer, Akbar et Chaudhri

Ker acidalia Aheer, Akbar & Chaudhri, 1997: 119; Halliday, Kamran & Bashir, 2018: 87

Type locality: Pakistan

Distribution: Pakistan

Ker afrotropicalis Fain et Bochkov

Ker afrotropicalis Fain & Bochkov, 2001: 59

Type locality: Musha, Rwanda

Distribution: D.R. Congo, Rwanda

Host: nest of *Grammomys* sp. (Rodentia: Muridae)

Ker bakeri Zaher et Soliman

Ker bakeri Zaher & Soliman, 1967: 24; Summers & Price, 1970: 22; Rosa & Flechtmann, 1979: 196; Žďárková, 1979; Fain & Bochkov, 2001: 58; Ezequiel et al., 2001: 913

Type locality: Giza (Egypt)

Distribution: Brazil, Egypt, Malaysia, “Czechoslovakia”

Host: house dust

Ker caeterus Barilo

Ker caeterus Barilo, 1986: 299; Fain & Bochkov, 2001: 58

Type locality: Uzbekistan

Distribution: Uzbekistan

Ker mercedesae Corpuz-Raros (**species dubia**)

Ker mercedesae Corpuz-Raros, 1998: 279; Fain & Bochkov, 2001: 58

Type locality: Leyte Is., Visayas St. Col. Agriculture, Baybay, Leyte

Distribution: Philippines

Ker palmatus Muma

Ker palmatus Muma, 1964: 226; Volgin, 1969: 226; Summers & Price, 1970: 22; Patxot & Goff, 1985: 161; Shen, 1991; Lin et al., 2000; Fain & Bochkov, 2001: 58; Xia, 2010: 162

Type locality: Florida (Sebring)

Distribution: China, USA (Florida, Hawaiian Is – Nihoa)

Ker pintoriensis Corpuz-Raros*Ker pintoriensis* Corpuz-Raros, 1998: 281; Fain & Bochkov, 2001: 58

Type locality: Luzon Is., Pintor, Gamu, Isabela

Distribution: Philippines

Genus ***Laeliocheyletia*** Summers et Price*Laeliocheyletia* Summers & Price, 1970: 21Type species: *Laeliocheyletia teretis* Summers et Price, 1970***Laeliocheyletia teretis*** Summers et Price*Laeliocheyletia teretis* Summers & Price, 1970: 21

Type locality: Quetzaltepeque

Distribution: El Salvador

Host: Tenebrionidae (Coleoptera)

Genus ***Lanceacheyla*** Xia, Klompen et Childers*Lanceacheyla* Xia, Klompen & Childers, 2011: 30Type species: *Lanceacheyla whartoni* Xia, Klompen et Childers, 2011***Lanceacheyla filipina*** Corpuz-Raros et Naredo*Lanceacheyla filipina* Corpuz-Raros & Naredo, 2016: 2

Type locality: Luzon Is., Santol Cave, Biak—na-bato Nat. Park, San Miguel, Bulacan Prov.

Distribution: Philippines

Lanceacheyla whartoni Xia, Klompen et Childers*Lanceacheyla whartoni* Xia, Klompen & Childers, 2011: 30

Type locality: Florida, Hardee Co, 10 km S of Ona, Lilly

Distribution: USA (Florida)

Host: citrus trees

Genus ***Lepidocheyla*** Volgin*Lepidocheyla* Volgin, 1963: 940Type species: *Lepidocheyla gracilis* Volgin, 1963***Lepidocheyla caucasica*** Volgin*Lepidocheyla caucasica* Volgin, 1978: 940; Fain & Bochkov, 2001: 55*Hemicheyletia hissariensis* Mathur & Mathur, 1981: 69 (syn of *L. gracilis*, acc. to Fain & Bochkov, 2001: 55) – Hissar, India (debris of the wheat straw)

Type locality: Azerbaidjan, Nahichevanskaya obl., Karachuk Village

Distribution: Azerbaidjan, India

Lepidocheyla gracilis Volgin

Lepidocheyla gracilis Volgin, 1963: 940; 1969: 221; Lin et al., 1998; Fain & Bochkov, 2001: 55; Bochkov, Hakimitabar & Saboori, 2005: 103; Xia, 2010: 162

Type locality: Verkhnyaya Terrasa (Tadjikistan), Donezk (Ukraine)

Distribution: China, Iran, Israel, Tadjikistan, Turkmenia, Ukraine

Genus ***Nidocheyletus*** Bochkov et OConnor

Nidocheyletus Bochkov & OConnor, 2010: 60

Type species: *Nidocheyletus kennedyae* Bochkov et OConnor, 2010

Nidocheyletus kennedyae Bochkov et OConnor

Nidocheyletus kennedyae Bochkov & OConnor, 2010: 60

Type locality: Michigan

Distribution: USA (Michigan)

Genus ***Nodele*** Muma

Nodele Muma, 1964: 252

Neocheletophyes Volgin, 1965: 296

Type species: *Nodele calamondin* Muma, 1964

Type species of *Neocheletophyes* Volgin: *Cheletophyes philippinensis* Baker, 1949

Nodele calamondin Muma

Nodele calamondin Muma, 1964: 252; Volgin, 1969: 162; Summers & Price, 1970: 41;

Fain & Bochkov, 2001: 54; Bochkov, Hakimitabar & Saboori, 2005: 107

Nodele simplex Wafa et Soliman, 1968: 223 – Giza, Egypt – synonymized by Bochkov et al., 2001: 123

Type locality: Florida, Fort Myers

Type locality of *Nodele simplex*: Giza, Egypt

Distribution: Egypt, Iran, USA (Florida, California)

Nodele coccineae Thewke et Enns

Nodele coccineae Thewke & Enns, 1968: 216; Summers & Price, 1970: 42; Fain & Bochkov, 2001: 54

Type locality: Missouri

Distribution: USA (Missouri)

Host: in galleries of bark beetle, *Pseudopityophthorus minutissimus*, in scarlet oak

Nodele mu Haines

Nodele mu Haines, 1988: 362; Fain & Bochkov, 2001: 54

Type locality: ? Bogor, Java

Distribution: Indonesia or Tanzania

Host: *Dinoderus minutus* (Coleoptera: Bostrychidae)

Nodele philippinensis (Baker)*Cheletophyes philippinensis* Baker, 1949: 288*Neocheletophyes philippinensis* (Baker): Volgin, 1965: 296*Nodele philippinensis* (Baker): Muma, 1964: 252; Volgin, 1969: 163; Summers & Price, 1970: 42; Diaz Patxot & Goff, 1985: 161; Fain & Bochkov, 2001: 54

Type locality: Bataan (Philippines)

Distribution: Philippines, USA (Oahu I., Hawaii Is.)

Nodele superba Kuznetsov*Nodele superba* Kuznetsov, 1977: 923; Fain & Bochkov, 2001: 54

Type locality: Ukraine

Distribution: Ukraine

Genus ***Paracheyletia*** Volgin*Paracheyletia* Volgin, 1955: 168Type species: *Cheyletus pyriformis* Banks, 1904***Paracheyletia pyriformis*** (Banks)*Cheyletus pyriformis* Banks, 1904: 17; 1906: 135*Cheyletus longipalpus* Ewing, 1909: 54*Cheyletia pyriformis*, Garman, 1948: 1; Baker, 1949: 298*Paracheyletia assimilis* Volgin, 1955: 168 – England (syn. by Summers & Price, 1970: 19)*Paracheyletia pyriformis*, Volgin, 1969: 177; Summers & Price, 1970: 19; André, 1975: 31; Bochkov, Hakimitabar & Saboori, 2005: 107; Bochkov & Abramov, 2016; Khaustov, 2021: 233*Paracheyletia hortensis* Volgin, 1969: 181; (acc. to Fain & Bochkov, 2001, a synonym) – Krasnodarskaiy Kray, Slavyanskiy Rayon, Russia*Paracheyletia samsinaki* Volgin, 1966b: 281; 1969: 179 (acc. to Fain & Bochkov, 2001, a synonym) – Prague, Czech Rep., on *Scolytus pygmaeus* (Coleoptera: Scolytidae)

Type locality: Kirkwood, Mo.

Distribution: Algeria, Belgium, Czech Rep., Germany, Iran, Russia, USA (Montana, Illinois, Massachusetts, New York)

Paracheyletia recki Volgin*Paracheyletia recki* Volgin, 1966b: 283; 1969: 183; Fain & Bochkov, 2001: 51

Type locality: Voronezh Reserve

Distribution: Russia

Host: ant hill

Genus ***Paracheyletiella*** Kuznetsov*Paracheyletiella* Kuznetsov, 1977: 926Type species: *Paracheyletiella volgini* Kuznetsov, 1977

***Paracheyletiella volgini* Kuznetzov**

Paracheyletiella volgini Kuznetzov, 1977: 926

Type locality: Crimea

Distribution: Crimea

Host: sparrow nest

Genus ***Pavlovskicheyla*** Volgin

Pavlovskicheyla Volgin, 1965: 290

Type species: *Cheletophyes semenovi* Kuzin in Rohdendorf, 1940

***Pavlovskicheyla philippicana* Corpuz – Raros**

Pavlovskicheyla philippicana Corpuz – Raros, 1998: 285; Fain & Bochkov, 2001 : 58

Type locality: Luzon Is., Sta Rosa, Laguna

Distribution: Peru, Philippine Islands

***Pavlovskicheyla platydemae* Thewke et Enns**

Pavlovskicheyla platydemae Thewke & Enns, 1975: 671

Type locality: Missouri

Distribution: USA (Missouri)

Host: *Platydemus* sp. (Coleoptera: Tenebrionidae)

***Pavlovskicheyla semenovi* (Kuzin)**

Cheletophyes semenovi Kuzin in Rohdendorf, 1940: 94; Bakeri, 1949: 290

Pavlovskicheyla semenovi: Volgin, 1965: 292; 1969: 229; Fain & Bochkov, 2001: 57

Type locality: Andizhanskaya Prov.

Distribution: Uzbekistan

Host: from old seeds of the cotton-plant

Genus ***Tutacheyla*** Corpuz – Raros

Tutacheyla Corpuz – Raros, 1972: 266

Indonesicheyla Thewke, 1980: 339

Type species: *Tutacheyla robusta* Corpuz-Raros, 1972

Type species of *Indonesicheyla* Thewke: *I. buruensis* Thewke, 1980

***Tutacheyla robusta* Corpuz-Raros**

Tutacheyla robusta Corpuz-Raros, 1972: 266

Indonesicheyla buruensis Thewke, 1980: 339 – type: Indonesia (Buru)

Tutacheyla buruensis (Thewke)

Type locality: Philippines

Distribution: Indonesia (Buru), Philippines

Host: pin-hole borer (Coleoptera: Platypodidae)

Genus ***Zachvatkiniola*** Volgin*Zachvatkiniola* Volgin, 1969: 156Type species: *EucHeyletia reticulata* Cunliffe, 1962***Zachvatkiniola reticulata*** (Cunliffe)*EucHeyletia reticulata* Cunliffe, 1962: 200; Volgin, 1963: 63; Volgin, 1963: 63; 1969: 157; Summers & Price, 1970: 34; Shen, 1975; Nishida (Version 2009)*Zachvatkiniola reticulata* (Cunliffe): Volgin, 1969: 157; Bochkov, Hakimitabar & Saboori, 2005: 106; Xia, 2010: 162

Type locality: Tahiti (Hawaiian Quarantine)

Distribution: China (Guandong), Georgia, Iran, Japan, French Polynesia (Tahiti)

Tribus ***Acaropsellini*** Volgin*Acaropseini* [sic] Volgin, 1969: 307*Acaropsellini*: Bochkov & Fain, 2003: 24Type genus: *Acaropsella* Volgin, 1969Genus ***Acaropsella*** Volgin*Acaropsella* Volgin, 1969: 314Type species: *Neoacaropsis rohndendorfi* Volgin, 1962***Acaropsella kinshasensis*** Fain*Acaropsella kinshasensis* Fain, 1972: 39; Fain & Bochkov, 2001: 68; Xia, 2010: 160*Acaropsella konoï* Tseng, 1977: 245*Acaropsella filipina* Corpuz-Raros, 1988: 415

Type locality: Kinshasa (Congo)

Distribution: DR Congo, Philippines, Taiwan

Acaropsella kulagini (Rohdendorf)*Acaropsis kulagini* Rohdendorf, 1940: 78; Baker, 1949: 313*Neoacaropsis kulagini*: Volgin, 1962: 699*Acaropsella kulagini* (Rohdendorf): Volgin, 1969: 319; Summers & Price, 1970: 63; Fain & Bochkov, 2001: 68; Bochkov, Hakimitabar & Saboori, 2005: 105

Type locality: Blagodarnoe Village, Stavropol District (Russia)

Distribution: Iran, Russia, USA (California)

Acaropsella nobilis Rasool, Chaudhri et Akbar*Acaropsella nobilis* Rasool, Chaudhri & Akbar, 1980: 33; Chaudhri & Akbar, 1985: 198; Akbar, Jahan & Mughal, 2008: 188; Gerson, Fain & Smiley, 1999: 39; Halliday, Kamran & Bashir, 2018: 80

Type locality: Pakistan

Distribution: Pakistan

Acaropsella rohdendorfi (Volgin)

Neoacaropsis rohdendorfi Volgin, 1962: 697

Acaropsella rohdendorfi (Volgin): Volgin, 1969: 315; Summers & Price, 1970: 63; Fain & Bochkov, 2001: 68

Type locality: Kishinev, under *Lepidosaphes ulni* (Homoptera: Coccidea)

Distribution: Moldova

Acaropsella schmidtmani Price

Acaropsella schmidtmani Price, 1972: 47; Fain & Bochkov, 2001: 68

Type locality: California

Distribution: USA (California)

Acaropsella shaziai Akbar, Jahan et Mughal

Acaropsella shaziai Akbar, Jahan & Mughal, 2008: 188; Halliday, Kamran & Bashir, 2018: 80

Type locality: Shekhupura, Punjab

Distribution: Pakistan

Acaropsella volgini (Gerson)

Neoacaropsis volgini Gerson, 1967: 361

Acaropsis aegyptiaca Wafa & Soliman, 1968: 221 – Egypt (Giza and Tahreer), nest of birds, debris (synonymized by Fain & Bochkov, 2001: 67)

Acaropsella aegyptiaca (Wafa et Soliman): Summers & Price, 1970: 64

Acaropsella volgini (Gerson): Volgin, 1969: 317; Summers & Price, 1970: 64; Rostom, 1993: 29 (with “?”); Koç, 1998: 195; Fain & Bochkov, 2001: 68; Salarzehi, 2018:

Acaropsella walii Akbar, Jahan et Mughal

Acaropsella walii Akbar, Jahan & Mughal, 2008: 189; Halliday, Kamran & Bashir, 2018: 80

Type locality: Pakistan

Distribution: Pakistan

Genus ***Acaropsellina*** Summers

Acaropsellina Summers, 1976: 191

Acaropsis Moquin -Tandon, 1863: 314

Type species: *Acaropsis sollers* Kuzin in Rohdendorf, 1940

Acaropsellina altilis (Haq et Zia)

Acaropsis altilis Haq & Zia, 2001b: 61; Haq, Khan, Riaz & Rasool, 2004: 182; Haq & Afzal, 2007: 2206

Acaropsellina altilis (Haq et Zia): Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

***Acaropsellina anarsia* Summers**

Acaropsellina anarsia Summers, 1976: 193

Type locality: Colorado

Distribution: USA

***Acaropsellina clamo* (Qayyum et Chaudhri)**

Acaropsis clamo Qayyum et Chaudhri, 1979: 158; Haq, Khan, Riaz & Rasool, 2004: 182

Acaropsellina clamo (Qayyum & Chaudhri): Gerson, Fain & Smiley, 1999: 39; Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

***Acaropsellina culpa* (Haq et Zia)**

Acaropsis culpa Haq & Zia, 2001b: 64; Haq, Khan, Riaz & Rasool, 2004: 182

Acaropsellina culpa (Haq et Zia): Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

***Acaropsellina docta* (Berlese)**

Cheyletus doctus Berlese, 1886: 33; 1893: 74

Acaropsis docta (Berlese): Oudemans, 1905: 209; Baker, 1949: 314; Volgin, 1969: 309; Summers & Price, 1970: 62; Shen, 1975; Rizk et al., 1979; Qayyum & Chaudhri, 1979c: 2; Farooq, 2000: 41; Haq & Zia, 2001a: 60; Haq & Zia, 2001b: 68; Haq, Khan, Riaz & Rasool, 2004: 183; Palyvos & Emmanouel, 2006: 25

Acaropsellina docta (Berlese): Summers, 1976: 194; Lucza, Ripka & Saly, 1996; Gerson, Fain & Smiley, 1999: 39; Xia, 2010: 161; Salarzehi et al., 2018; Halliday, Kamran & Bashir, 2018: 82

Type locality: Florence, Italy

Distribution: China, Egypt, Great Britain, Greece, Holland, Hungary, India, Italy, Iran, Iraq

***Acaropsellina hirnai* (Akbar, Jahan & Qazi)**

Acaropsis hirnai Akbar, Jahan & Qazi, 2007: 92

Acaropsellina hirnai (Akbar, Jahan & Qazi): Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

***Acaropsellina humilis* (Haq et Zia)**

Acaropsis humilis Haq & Zia, 2001b: 72; Haq, Khan, Riaz & Rasool, 2004: 183

Acaropsellina humilis (Haq et Zia): Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina levis* (Corpuz-Raros)Neoacaropsis levis* Corpuz-Raros, 1972: 263*Acaropsellina levis* (Corpuz-Raros): Fain & Bochkov, 2001: 68

Type locality: Laguna

Distribution: Philippines

Host: plant (*Morus alba*)***Acaropsellina nanchangensis* (Xia et Zhu)***Acaropsella nanchangensis* Xia & Zhu, 1997: 6; Xia, 2010: 160*Acaropsellina nanchangensis* (Xia et Zhu): Fain & Bochkov, 2001: 68

Type locality: Nanchang

Distribution: China

Acaropsellina opsis* (Rasool, Chaudhri et Akbar)Acaropsis opsis* Rasool, Chaudhri & Akbar, 1980: 34*Acaropsellina opsis* (Rasool, Chaudhri & Akbar): Gerson, Fain & Smiley, 1999: 40; Halliday, Kamran & Bashir, 2018: 81

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina orbis* (Qayyum et Chaudhri)Acaropsis orbis* Qayyum & Chaudhri, 1979: 2*Acaropsellina orbis* (Qayyum & Chaudhri): Gerson, Fain & Smiley, 1999: 40; Halliday, Kamran & Bashir, 2018: 81

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina philippinensis* (Corpuz-Raros et Sotto)Acaropsis philippinensis* Corpuz-Raros & Sotto, 1977: 144*Acaropsellina philippinensis* (Corpuz-Raros & Sotto): Corpuz-Raros, 1988: 415

Type locality: Tanggalian, Piddig, Ilocos Norte

Distribution: Philippine Is.

Acaropsellina platessa* (Aheer, Akbar et Chaudhri)Acaropsis platessa* Aheer, Akbar & Chaudhri, 1991: 336*Acaropsellina platessa* (Aheer, Akbar et Chaudhri): Gerson, Fain & Smiley, 1999: 40; Halliday, Kamran & Bashir, 2018: 81

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina porta* (Qayyum et Chaudhri)Acaropsis porta* Qayyum & Chaudhri, 1979: 5

Acaropsellina porta (Qayyum et Chaudhri): Gerson, Fain & Smiley, 1999: 40; Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina sheikhupuraensis (Akbar, Jahan et Qazi)

Acaropsis sheikhupuraensis Akbar, Jahan & Qazi, 2007: 90

Acaropsellina sheikhupuraensis (Akbar et al.): Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina sigilla (Haq, Khan, Riaz & Rasool)

Acaropsis sigilla Haq, Khan, Riaz & Rasool, 2004: 184

Acaropsellina sigilla (Haq, Khan, Riaz & Rasool): Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina shorkotiensis (Akbar, Rahi et Chaudhri)

Acaropsis shorkotiensis Akbar, Rahi & Chaudhri, 1988: 2; Haq, Khan, Riaz & Rasool, 2004: 184

Acaropsellina shorkotiensis (Akbar et al.): Gerson, Fain & Smiley, 1999: 40; Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina sodalis (Haq & Zia)

Acaropsis sodalis Haq & Zia, 2001b: 70

Acaropsellina sodalis (Haq & Zia): Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina sollers (Kuzin in Rohdendorf)

Acaropsis callida Kuzin in Rohdendorf, 1940: 78 – Rostov na Don, Russia, in grain

Acaropsis sollers: Kuzin in Rohdendorf, 1940: 78; Baker, 1949: 314; Volgin, 1969: 311; Summers & Price, 1970: 61; Rizk et al., 1979; Efremova & Bochkov, 1990: 102; Ros-tom, 1993: 29; Athanassiou et al., 2003: 413

Acaropsellina sollers (Kuzin in Rohdendorf): Bochkov, Hakimitabar & Saboori, 2005: 105; Xia, 2010: 161

Type locality: Leningrad, Russia

Distribution: Belarus, Greece, India, Iran, Iraq, Kazakhstan, Russia, Saudi Arabia, Turk-menistan, Uzbekistan

Acaropsellina subitus (Akbar, Mushtaq et Akbar)

Acaropsis subitus Akbar, Mushtaq & Akbar, 1999: 264

Acaropsellina subitus (Akbar, Mushtaq & Akbar): Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina summersi (Smiley et Whitaker)

Acaropsis summersi Smiley & Whitaker, 1981: 121

Acaropsellina summersi (Smiley et Whitaker): Whitaker & Maser, 1985: 69; Gerson, Fain & Smiley, 1999: 40

Type locality: Oregon

Distribution: USA

Host: *Glaucomys sabrinus* (nest)(Rodentia: Sciuridae, Sciurinae)

Acaropsellina tyrophagus (Elbadry)

Acaropsis tyrophagus Elbadry, 1969: 162

Acaropsellina tyrophagus (Elbadry): Gerson, Fain & Smiley, 1999: 40

Type locality: Egypt

Distribution: Egypt

Acaropsellina unicus (Haq, Khan, Riaz et Rasool)

Acaropsis unicus Haq, Khan, Riaz & Rasool, 2004: 186

Acaropsellina unictus (Haq, Khan, Riaz et Rasool): Halliday, Kamran & Bashir, 2018: 82

Type locality: Muzaffarabad, N. Kashmir

Distribution: Pakistan

Acaropsellina venutus (Akbar, Mushtaq et Akbar)

Acaropsis venutus Akbar, Mushtaq & Akbar, 1999: 163

Acaropsellina venutus (Akbar, Mushtaq et Akbar): Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Acaropsellina vitrus (Aheer, Akbar et Chaudhri)

Acaropsis vitrus Aheer, Akbar & Chaudhri 1991: 336; Akbar, Mushtaq & Akbar, 1999: 263; Farooq, 2000: 41; Haq & Zia, 2001a: 60; Haq, Khan, Riaz & Rasool, 2004: 182; Haq & Afzal, 2007: 2206.

Acaropsellina vitrus (Aheer, Akbar et Chaudhri): Gerson, Fain & Smiley, 1999: 40; Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Genus ***Atarsacheylus*** Thewke*Atarsacheylus* Thewke, 1980: 333Type species: *Atarsacheylus vichii* Thewke, 1980***Atarsacheylus vichii*** Thewke*Atarsacheylus vichii* Thewke, 1980: 333

Type locality: one mile north of Vichy, Maries Co., Missouri

Distribution: USA (Missouri)

Genus ***Chelacheles*** Baker*Chelacheles* Baker, 1958: 235Type species: *Chelacheles strabismus* Baker, 1958*Chelachelecaropsis* Attiah, 1973: 349Type species: *Chelachelecaropsis bakeri* Attiah, 1973***Chelacheles aigamuxa*** Bochkov et OConnor*Chelacheles aigamuxa* Bochkov & OConnor, 2004: 559

Type locality: South Africa

Distribution: South Africa

Chelacheles alexandrinus Hassan et Gomaa*Chelacheles alexandrinus* Hassan & Gomaa 1981: 115; Bochkov et al., 1999: 118; Fain & Bochkov, 2001: 82; Bochkov & OConnor, 2004: 556

Type locality: Egypt, Barg El-Arab, Northern Coast

Distribution: Crimea, Egypt

Host: litter

Chelacheles apanaskevichi Bochkov et Abramov*Chelacheles apanaskevichi* Bochkov & Abramov, 2016: 337; Khaustov, 2021: 234

Type locality: Tula Province, near Suvorov town

Distribution: Russia

Chelacheles bacchusi Bochkov, Haustov et Kuznetzov*Chelacheles bacchusi* Bochkov, Haustov & Kuznetzov, 1999: 117; Gerson et al., 1999: 7; Eliopoulos & Papadoulis, 2001: 31; Bochkov & OConnor, 2004: 556

Type locality: Sudan

Distribution: Crimea

Chelacheles baiwanganae Corpuz-Raros et Sotto*Chelacheles baiwanganae* Corpuz-Raros & Sotto, 1977: 152; Fain & Bochkov, 2001c: 82; Bochkov & Fain, 2001: 82; Bochkov & OConnor, 2004: 551

Type locality: Los Baños, Laguna

Distribution: Philippine Is., Thailand

Host: beetle (Coleoptera: Scolytidae); in Thailand from *Sinoxylon crassum* (Coleoptera: Bostrichidae)

***Chelacheles bakeri* (Attiah)**

Chelachelecaropsis bakeri Attiah, 1973: 349

Chelacheles bakeri (Attiah): Fain & Bochkov, 2001b: 299; 2001c: 83

Chelacheles humilis Rasool, Chaudhri & Akbar, 1980: 30; Fain & Bochkov, 2001c: 83

Type locality: Cairo

Distribution: Egypt

Host: rice plantation

***Chelacheles bipanus* Summers et Price**

Chelacheles bipanus Summers & Price, 1970: 79; Shen, 1991; Fain & Bochkov, 2001c: 83; Xia, 2010: 161

Type locality: American Canyon, Solano Co., California

Distribution: China, USA (California)

***Chelacheles humilis* Rasool, Chaudhri et Akbar**

Chelacheles humilis Rasool, Chaudhri & Akbar, 1980: 30; Chaudhri & Akbar, 1985: 194; Gerson, Fain & Smiley, 1999: 47; Halliday, Kamran & Bashir, 2018: 83

Type locality: Pakistan

Distribution: Pakistan

***Chelacheles hellenicus* Eliopoulos et Papadoulis**

Chelacheles hellenicus Eliopoulos & Papadoulis, 2001: 31; Fain & Bochkov, 2001c: 83; Bochkov & OConnor, 2004: 573

Type locality: Attiki Co., Athens, Votanikos

Distribution: Greece

***Chelacheles indra* Bochkov et Otto**

Chelacheles indra Bochkov & Otto, 2010: 16

Type locality: India (intercepted on Australian border)

Distribution: India

Host: from *Sinoxylon crassum* (Coleoptera: Bostrichidae)

***Chelacheles klimovi* Bochkov et OConnor**

Chelacheles klimovi Bochkov & OConnor, 2004: 559

Type locality: NY, Nassau Co., Tobay Beach

Distribution: USA

Host: wrack from beach

***Chelacheles lanceolatus* Tseng**

Chelacheles lanceolatus Tseng, 1977: 259; Lin & Zhang, 1997: 197; Corpuz-Raros, 1998: 263; Gerson et al., 1999: 47; Fain & Bochkov, 2001: 82; Bochkov & OConnor, 2004: 578; Xia, 2010: 161

Type locality: Taiwan

Distribution: Taiwan

Host: Chicken feathers (accidental?)

***Chelacheles michalskii* Samšinák**

Chelacheles michalskii Samšinák, 1962: 183; Volgin, 1969: 305; Liu et al., 1997; Fain & Bochkov, 2001c: 83; Bochkov, Hakimitabar & Saboori, 2005: 105; Xia, 2010: 161; Torre Santana, 2015

Type locality: Prague

Distribution: China, Cuba, Czech Rep., Iran

Host: «In den Gängen von *Scolytus multistriatus* und *S. pygmaeus*»

***Chelacheles peritremaulatus* Thewke**

Chelacheles peritremaulatus Thewke, 1974: 33; Hassan & Gomaa, 1981: 115; Corpuz-Raros, 1998: 263; Bochkov et al., 1999: 117; Gerson et al., 1999: 47; Fain & Bochkov, 2001c: 82; Eliopoulos & Papadoulis, 2001: 31; Bochkov & OConnor, 2004: 565

Type locality: Seven miles of West Plains, Howell Co., Missouri, on oak branches

Distribution: USA (Missouri)

***Chelacheles robustus* Corpuz-Raros**

Chelacheles robustus Corpuz-Raros, 1998: 263; Eliopoulos & Papadoulis, 2001: 31; Fain & Bochkov, 2001c: 82; Bochkov & OConnor, 2004: 570

Type locality: Leyte I., Baybay, Visayas St., Col. of Agriculture Campus

Distribution: Philippine Is. (Leyte)

Host: rice mill

***Chelacheles seminole* Bochkov et OConnor**

Chelacheles seminole Bochkov & OConnor, 2004: 570

Type locality: Florida, Lee Co., Punta Rassa

Distribution: USA (Florida)

Host: fungi *Daldinia concentrica* (Xylariales: Xylariaceae)

***Chelacheles stigmaeoides* (Barilo)**

Chelachelecaropsis stigmaeoides Barilo, 1989: 137; Gerson et al., 1999: 47

Chelacheles stigmaeoides (Barilo): Fain & Bochkov, 2001c: 83; Bochkov & OConnor, 2004: 575

Type locality: Samarkand area

Distribution: Uzbekistan

Host: soil from ant hill (*Formica* sp.)

***Chelacheles strabismus* Baker**

Chelacheles strabismus Baker, 1958: 234; Patxot & Goff, 1985: 160; Fain & Bochkov, 2001: 83

Chelacheles algericus Fain & Bochkov, 2001: 83; syn. by Bochkov & OConnor, 2004 – terra typica: Algeria

Type locality: Lisbon (Portugal)

Distribution: Algeria, Portugal, USA (Hawaiian Is. – Oahu)

***Chelacheles striola* Lin**

Chelacheles striola Lin in Lin & Zhang, 1997: 245; Bochkov & OConnor, 2004: 567; Xia, 2010: 161

Type locality: Fujian

Distribution: China

***Chelacheles temoak* Bochkov et OConnor**

Chelacheles temoak Bochkov & OConnor, 2004: 569

Type locality: Nevada, Washoe Co., Patrick

Distribution: USA (Nevada)

Host: *Diadasia sphaeralcearum* (Hymenoptera: Apidae)

***Chelacheles thomasi* Bochkov et Otto**

Chelacheles thomasi Bochkov & Otto, 2010: 12

Type locality: Sydney/Rosebury

Distribution: Australia

Host: from oranges

Genus *Neoacaropsis* Volgin

Neoacaropsis Volgin, 1962: 685

Type species: *Neoacaropsis granulatus* Volgin, 1962

***Neoacaropsis granulatus* Volgin**

Neoacaropsis granulatus Volgin, 1962: 685; 1969: 320; Xie et al., 2000; Fain & Bochkov, 2001: 68; Xia, 2010: 161

Type locality: Sochi (Krasnodarskiy Kray)

Distribution: China, Russia

Genus *Neochelacheles* Smiley et Williams

Neochelacheles Smiley & Williams, 1972: 312

Type species: *Neochelacheles messersmithi* Smiley et Williams, 1972

Neochelacheles corpuzrarosae Bochkov et OConnor*Neochelacheles corpuzrarosae* Bochkov & OConnor, 2004: 582

Type locality: Negros Oriental, Lake Balinsasayao, 3 km N 14 km W Dumaguete City

Distribution: Philippines

Host: from fungi of the superfamily Polyporaceae (Agarycales)

Neochelacheles mendicus Bochkov et OConnor*Neochelacheles mendicus* Bochkov & OConnor, 2004: 587

Type locality: Luzon Island, Baltalason

Distribution: Philippines

Host: *Byssax tuberculatus* (Coleoptera: Tenebrionidae)***Neochelacheles messersmithi*** Smiley et Williams*Neochelacheles messersmithi* Smiley & Williams, 1972: 312; Fain & Bochkov, 2001c: 81

Type locality: College Park, Maryland

Distribution: USA (Maryland, Ohio)

Host: *Bolitotherus cornutus* (Coleoptera: Tenebrionidae, Bolitophaginae)Genus ***Paracaropsis*** Volgin*Paracaropsis* Volgin, 1969: 322Type species: *Acaropsis travisi* Baker, 1949***Paracaropsis travisi*** (Baker)*Acaropsis travisi* Baker, 1949: 322*Paracaropsis travisi* (Baker): Volgin, 1969: 324; Summers & Price, 1970: 39*Paracaropsis strofi* Samšinák, 1956 (syn. by Summers & Price, 1970: 39)

Type locality: Newton, Georgia

Distribution: USA (Georgia)

Host: *Sceloporus woodi* (Sauria: Iguanidae)Tribe **Bakini** Volgin

Bakini Volgin, 1969: 299

Type species: *Bak sanctaehelenae* Yunker, 1961Genus ***Aegyptocheyila*** Yousef*Aegyptocheyila* Yousef, 1979: 366Type species: *Aegyptocheyila summersi* Yousef, 1979***Aegyptocheyila summersi*** Yousef*Aegyptocheyila summersi* Yousef, 1979: 366

Type locality: Kalyobia and Giza Governorates

Distribution: Egypt

Genus **Alliea** Yunker

Alliea Yunker, 1960: 278

Type species: *Alliea laruei* Yunker, 1960

Alliea laruei Yunker

Alliea laruei Yunker, 1960: 278; Volgin, 1969: 233

Type locality: Tampa (Florida)

Distribution: USA (Florida)

Host: *Rattus norvegicus* (Rodentia: Muridae)

Alliea prasadi Corpuz-Raros

Alliea prasadi Corpuz-Raros, 1998: 261

Type locality: Luzon Is., UPLB Campus, College, Laguna

Distribution: Philippines

Genus **Bak** Yunker

Bak Yunker, 1961:1023

Type species: *Bak sanctaehelenae* Yunker, 1961

Bak deleoni Yunker

Bak deleoni Yunker, 1961: 1028; Volgin, 1969: 302; Summers & Price, 1970: 80; Patxot & Goff, 1985: 159; Fain & Bochkov, 2001: 80

Type locality: Coral Gables (Florida)

Distribution: D.R. Congo, USA (Florida, Hawaiian Is.)

Bak elongatus Patxot et Goff

Bak elongatus Patxot & Goff, 1985: 158; Fain & Bochkov, 2001: 80

Type locality: Oahu I., Honolulu, Waimanalo

Distribution: USA (Hawaiian Is.)

Bak faini Corpuz-Raros

Bak faini Corpuz-Raros, 2000: 323; Fain & Bochkov, 2001: 80; Xia, 2010: 161

Type locality: Philippines

Distribution: China, Philippines

Bak furcatus Gerson et Fain

Bak furcatus Gerson & Fain, 1991: 17; Corpuz Raros, 2000; Fain & Bochkov, 2001c: 80

Type locality: Chantaburi (Thailand)

Distribution: Philippines, Thailand

Host: in debris from a hive of *Apis cerana* (Hymenoptera: Apidae)

Bak gersoni Corpuz-Raros*Bak gersoni* Corpuz-Raros, 2000: 326; Fain & Bochkov, 2001c: 80

Type locality: Philippines

Distribution: Galapagos Is., Philippines

Bak indonesiensis Bochkov et Otto*Bak indonesiensis* Bochkov & Otto, 2010: 17

Type locality: Indonesia (intercepted on Australian border)

Distribution: Indonesia

Host: beetles (Coleoptera indet.)

Bak iranica Pactinat-Saeij, Bagheri et Skvarla*Bak iranica* Pactinat-Saeij, Bagheri & Skvarla, 2017: 848; Salarzahi, 2018

Type locality: Amol, Mazandaran Prov.

Distribution: Iran

Bak ligyscutatus Flechtmann*Bak ligyscutatus* Flechtmann, 1971: 48 (according to Fain & Bochkov, 2001c: 78, invalid species, published only in a thesis, but actually published regularly)

Type locality: Piracicaba, São Paulo

Distribution: Brazil

Host: decomposing organic material

Bak micidus Summers et Price*Bak micidus* Summers & Price, 1970: 81; Fain & Bochkov, 2001c: 79; Xia, 2010: 161

Type locality: Santa Cruz, Old Bella Vista Trail

Distribution: China, Galapagos Is. (Ecuador)

Bak nadchatrami Fain et Bochkov*Bak nadchatrami* Fain et Bochkov, 2001c: 80

Type locality: Belakang Pasar, Lama Kepong, Kuala Lumpur

Distribution: Malaysia

Bak ozarkensis Thewke et Enns*Bak ozarkensis* Thewke & Enns, 1974: 43; Fain & Bochkov, 2001c: 79

Type locality: four miles west of Macks Creek, Camden Co., Missouri

Distribution: USA (Missouri, Pennsylvania)

Bak payatus Corpuz-Raros et Sotto*Bak payatus* Corpuz-Raros & Sotto, 1977: 146; Fain & Bochkov, 2001c: 79

Type locality: Laguna

Distribution: Philippine Is.

Bak sanctaehelenae Yunker

Bak sanctaehelenae Yunker, 1961: 1023; Volgin, 1969: 300; Summers & Price, 1970: 80;
Fain & Bochkov, 2001c: 79

Type locality: Napa Co., Mt. St. Helena, California

Distribution: USA (California)

Bak truncatus Corpuz-Raros et Sotto

Bak truncatus Corpuz-Raros & Sotto, 1977: 148; Fain & Bochkov, 2001c: 79

Type locality: Makiling Bot, Gardens, Mt. Makiling, Laguna

Distribution: Philippine Is.

***Bak* sp.** – India

Genus ***Caudacheles*** Gerson

Caudacheles Gerson, 1968: 645

Type species: *Caudacheles khayae* Gerson, 1968

Caudacheles khayae Gerson

Caudacheles khayae Gerson, 1968: 645; Fain & Bochkov, 2001: 77; Salarzahi, 2018:

Type locality: Rehovot (Israel)

Distribution: Iran, Israel

Caudacheles lienii Tseng

Caudacheles lienii Tseng, 1977; Fain & Bochkov, 2001: 77; Bochkov, Hakimitabar & Sab-
oori, 2005: 104; Xia, 2010: 162

Type locality: Taiwan

Distribution: Iran, Taiwan

Caudacheles trigintaduae Lin et Zhang

Caudacheles trigintaduae Lin & Zhang, 1997: 136

Type locality: China

Distribution: China

Genus ***Chelacaropsis*** Baker

Chelacaropsis Baker, 1949: 315

Type species: *Chelacaropsis moorei* Baker, 1949

Cheletonata Womersley, 1955 = *Cheletacaropsis* Baker, 1949 (syn. by Fain & Bochkov,
2001a: 294)

***Chelacaropsis apus* Fain**

Chelacaropsis apus Fain, 1972: 40

Type locality: Butare

Distribution: Rwanda

Host: *Apus affinis*, “dejections” (Apodiformes: Apodidae)

***Cheletacaropsis kenyensis* Fain et Bochkov**

Cheletacaropsis kenyensis Fain & Bochkov, 2001b: 70

Type locality: Kimakia Cave, Hunter’s Lodge, Kiboko, 140 km SE Nairobi

Distribution: Kenya

***Cheletacaropsis milesi* (Womersley)**

Cheletonata milesi Womersley, 1955: 214

Cheletacaropsis milesi (Womersley): Fain & Bochkov, 2001b: 73

Type locality: Northern Australia

Distribution: Australia

***Chelacaropsis moorei* Baker**

Chelacaropsis moorei Baker, 1949: 315; Volgin, 1969: 326

Type locality: Florida

Distribution: China, USA (Florida)

Host: *Glaucomys volans querceti* (Rodentia: Pteromyidae)

***Chelacaropsis reticulata* Soliman**

Chelacaropsis reticulata Soliman, 1975: 97

Type locality: Farskour, Domiat, North of Deltha

Distribution: Egypt

***Chelacaropsis rwandana* Fain**

Chelacaropsis rwandana Fain, 1972: 40

Type locality: Butare

Distribution: Rwanda

Host: *Spermestes cucullatus* (Passeriformes: Estrildidae)

***Chelacaropsis terrestris* Corpuz-Raros et Sotto**

Chelacaropsis terrestris Corpuz-Raros & Sotto, 1977: 150

Type locality: Los Baños, Laguna

Distribution: Philippine Is.

Genus *Cheletogenes* Oudemans

Cheletogenes Oudemans, 1905: 208

Type species: *Cheyletus ornatus* Canestrini et Fanzago, 1876

***Cheletogenes aceriai* Khan**

Cheletogenes aceriai Khan, 1970: 278; Fain & Bochkov, 2001: 85; Gerson, Fain & Smiley, 1999: 47; Halliday, Kamran & Bashir, 2018: 82

Type locality: Pakistan

Distribution: Pakistan

Host: mango tree bugs

***Cheletogenes carinatus* Aheer, Akbar et Chaudhri**

Cheletogenes carinatus Aheer, Akbar & Chaudhri, 1992: 39; Fain & Bochkov, 2001: 85 (**Species dubia**); Gerson, Fain & Smiley, 1999: 47; Aheer, Akbar & Chaudhri, 1992: 39; Halliday, Kamran & Bashir, 2018: 83

Type locality: Pirmahal

Distribution: Pakistan

Host: on *Vitis vinifera* (plant)

***Cheletogenes dissitus* Akbar, Rahi et Chaudhri (**Species dubia**)**

Cheletogenes dissitus Akbar, Rahi & Chaudhri, 1988: 4; Gerson, Fain & Smiley, 1999: 47; Fain & Bochkov, 2001: 85; Halliday, Kamran & Bashir, 2018: 83

Type locality: Pakistan

Distribution: Pakistan

***Cheletogenes iconis* Chaudhri et Akbar**

Cheletogenes iconis Chaudhri & Akbar, 1985: 128; Fain & Bochkov, 2001: 85; Aheer, Akbar & Chaudhri, 1992: 36; Halliday, Kamran & Bashir, 2018: 83

Type locality: 3 km S Multan

Distribution: Pakistan

Host: on *Gossypium hirsutum*

***Cheletogenes meihuashanense* Lin et Liu**

Cheletogenes meihuashanense Lin & Liu, 1994: 220 (223); Lin et al., 2000: 86; Xia, 2010: 161

Type locality: Meihuashan, Fujian

Distribution: China (Fujian)

***Cheletogenes monosetosus* Tseng**

Cheletogenes monosetosus Tseng, 1977: 229; Ehara & Abdul Ghani, 1988: 239; Fain & Bochkov, 2001: 85; Xia, 2010: 161

Type locality: Taiwan

Distribution: Malaysia, Taiwan

Host: from trees (*Gigantochloa rostrata*, *Bambusa glaucescens*)

***Cheletogenes ornatus* (Canestrini et Fanzago)**

Cheyletus ornatus Canestrini & Fanzago, 1876: 106; 1877: 147; Canestrini, 1886: 173; Starkoff & Starkoff, 1950: 96

Cheyletus saccardianus Berlese, 1886: 32; Oudemans, 1906: 153

Cheyletia ornata, Oudemans, 1904: 154

Cheyletus cocciphilus Banks, 1914: 56. Syn. by Baker, 1949: 305

Cheletogenes ornatus (Canestrini et Fanzago): Oudemans, 1905: 208; 1906: 153; Baker, 1949: 305; Cooreman, 1951: 33; Volgin, 1955: 174; 1969: 296; Gerson, 1967: 359; Wafa & Soliman, 1968: 222; Summers & Price, 1970: 53; Flechtmann, 1971: 30; Shiba, 1976: 173; Nachev & Trenchev, 1987; Yousef, Zaher & Kandil, 1979: 228; Ripka, Fain & Bolland, 1999: 366; Fain & Bochkov, 2001: 85; Buosi et al., 2006: 7

Cheyletogenes ornatus (Canestrini et Fanzago): Namaghi, 2010: 135

Type locality: Italy

Distribution: Algeria, Armenia, Australia, Brazil, Chile, China, Cuba, Egypt, Georgia, Hungary, India, Iran, Italy, Israel, Kirghizstan, Malaysia, Mexico, Morocco, Philippines, Porto Rico, Russia, South Africa, USA (Florida, Louisiana, California, Hawaiian Is.), Venezuela

***Cheletogenes petiginis* Qayyum et Chaudhri (Species dubia)**

Cheletogenes petiginis Qayyum & Chaudhri, 1977; Fain & Bochkov, 2001: 85; Rasool & Chaudhri, 1979a: 7; Chaudhri & Akbar, 1985: 134; Akbar, Rahi & Chaudhri, 1988: 4; Gerson, Fain & Smiley, 1999: 47; Halliday, Kamran & Bashir, 2018: 83

Type locality: Pakistan

Distribution: Pakistan

***Cheletogenes sagacis* Chaudhri et Akbar (Species dubia)**

Cheletogenes sagacis Chaudhri & Akbar, 1985; Aheer, Akbar & Chaudhri, 1992: 36; Halliday, Kamran & Bashir, 2018: 83

Type locality: 2 km N Haripur

Distribution: Pakistan

Host: on plants

***Cheletogenes scaber* Qayyum et Chaudhri (Species dubia)**

Cheletogenes scaber Qayyum & Chaudhri, 1977: 111; Fain & Bochkov, 2001: 85; Salarzehi, 2018; Halliday, Kamran & Bashir, 2018: 83

Type locality: Pakistan

Distribution: Iran, Pakistan

***Cheletogenes vulgatus* Rasool et Chaudhri (Species dubia)**

Cheletogenes vulgatus Rasool & Chaudhri, 1979: 8; Fain & Bochkov, 2001: 85; Chaudhri & Akbar, 1985: 129; Akbar, Rahi & Chaudhri, 1988: 4; Gerson, Fain & Smiley, 1999: 47; Halliday, Kamran & Bashir, 2018: 83

Type locality: Pakistan

Distribution: Pakistan

Cheletogenes waitei Gerson

Cheletogenes waitei Gerson, 1994: 441; Fain & Bochkov, 2001: 85

Type locality: Nambour (Queensland)

Distribution: Australia (Queensland)

Genus ***Cheletoides*** Oudemans

Cheletoides Oudemans, 1904: 154

Type species: *Syringophilus uncinatus* Heller, 1880

Cheletoides chirunduensis Fain

Cheletoides chirunduensis Fain, 1979: 1023

Type locality: Chirundu

Distribution: Zimbabwe

Host: *Numida meleagris* (Galliformes: Numididae)

Cheletoides uncinatus Heller

Syringophilus uncinatus Heller, 1880: 188

Cheyletus uncinatus (Heller): Poppe, 1888: 239

Cheletoides uncinatus (Heller): Oudemans, 1904: 154; 1906: 204; Volgin, 1969: 336

Cheletoides uncinata (Heller): Oudemans, 1906: 204; Baker, 1949: 275; Summers & Price, 1970: 74

Type locality: Kiel

Distribution: Germany

Host: *Pavo cristatus* (Galliformes: Phasianidae)

Genus ***Cheletomorpha*** Oudemans

Cheletomorpha Oudemans, 1904: 162

Acheletomorpha Volgin, 1969: 195

Type species: *Acarus lepidopterorum* Shaw, 1794

Cheletomorpha bakeri Lawrence

Cheletomorpha bakeri Lawrence 1954: 67; Summers & Price, 1970: 51; Fain & Bochkov, 2001: 52

Acheletomorpha bakeri (Lawrence): Volgin, 1969: 196

Type locality: Karamoja (Uganda)

Distribution: D.R. Congo, Rwanda, Uganda

Host: in nests of birds and rodents

***Cheletomorpha dolosus* Aheer et al.**

Cheletomorpha dolosus Aheer et al., 1997: 11; Fain & Bochkov, 2001: 52; Halliday, Kamran & Bashir, 2018: 86

Type locality: Faisalabad

Distribution: Pakistan

***Cheletomorpha lepidopterorum* (Shaw)**

Acarus lepidopterorum Shaw, 1794: 187

Cheyletus venustissimus C.L. Koch, 1839: fasc. 23; Canestrini, 1886: 172; Hull, 1918: 32; Starkoff & Starkoff, 1950: 96

Cheyletus seminivorus Packard, 1878: 665

Cheletomorpha lepidopterorum (Shaw): Oudemans, 1929: 298; Baker, 1949: 302; Volgin, 1969: 190; Summers & Price, 1970: 49; Shen, 1975; Rekk, 1976: 68; Caceres & Fain, 1978: 302; Enghoff, 1988: 49; Peredo et al., 1994: 17; Lucza, Ripka & Saly, 1996; Fain & Bochkov, 2001: 52; Petrova et al., 2004: 91; Bochkov, Hakimitabar & Saboori, 2005: 105; Xia, 2010: 161; Bochkov & Abramov, 2016; Halliday, Kamran & Bashir, 2018: 86

Cheyletus rufus Hardy, in André, 1933: 352

Cheletomorpha venustissima, Oudemans, 1904: 162; 1906: 144; Thor, 1912: 390; Zachvatkin, 1935: 25; Rohdendorf, 1940: 92; Womersley, 1941: 62; Starkoff & Starkoff, 1950: 96;

Cheletomorpha tatami Hara, 1955: 69; Gerson, 1967: 360; Shiba, 1969a: 164

Cheletophyes knowltoni Beer & Dailey, 1956: 409

Cheyletus longipes Banks, 1909: 133 – Canada, Ontario, Guelph

Type locality: England

Distribution: Armenia, Australia, Azerbaidzan, Belgium, Brazil, Canada, Chile, China, Cuba, Egypt, Denmark, England, France, Georgia, Germany, Greece, Holland, Hungary, India, Indonesia, Iran, Israel, Italy, Japan, Latvia, Malaysia, Malta, Mexico, New Guinea, Norway, Pakistan, Peru, the Philippines, Portugal, Rwanda, New Guinea, Russia, South Africa, Spain, Switzerland, Taiwan, Turkey, USA

Host: *Proxenus* sp. (Lepidoptera: Noctuidae) and other moths

Cheletomorpha obrutus* Qayyum et Chaudhri – *Species inquirenda

Cheletomorpha obrutus Qayyum & Chaudhri, 1977: 75; Halliday, Kamran & Bashir, 2018: 86

Type locality: Pakistan

Distribution: Pakistan

Cheletomorpha opacus* Qayyum et Chaudhri – *Species inquirenda

Cheletomorpha opacus Qayyum & Chaudhri, 1977: 73; Halliday, Kamran & Bashir, 2018: 86

Type locality: Pakistan

Distribution: Pakistan

***Cheletomorpha orientalis* Oudemans – Species inquirenda**

Cheletomorpha orientalis Oudemans 1928: 343; Baker, 1949: 303; Volgin, 1969: 195; Summers & Price, 1970: 51

Type locality: Java

Distribution: Indonesia (Java)

Host: on leaves of orchid, *Palaenopsis* sp.

***Cheletomorpha tenerum* Qayyum et Chaudhri**

Cheletomorpha tenerum Qayyum & Chaudhri, 1977: 71; Fain & Bochkov, 2001: 52; Haliday, Kamran & Bashir, 2018: 86

Type locality: Pakistan

Distribution: Pakistan

Genus ***Cheletopsis* Oudemans**

Cheletopsis Oudemans, 1904: 163

Type species: *Cheyletus nörneri* Poppe, 1888

***Cheletopsis anax* Oudemans**

Cheletopsis anax Oudemans, 1904b: 170; 1906: 195; Baker, 1949: 309; Volgin, 1969: 354; Summers & Price, 1970: 73; Bochkov et al., 2002: 10

Type locality: France

Distribution: France

Host: “*Crocethia alba* (= *Totanus calidris*)”, ? *Tringa totanus* (Charadriiformes: Scolopacidae)

***Cheletopsis animosa* Oudemans**

Cheletopsis animosa Oudemans, 1904b: 170; 1906: 189; Baker, 1949: 310; Volgin, 1969: 352; Summers & Price, 1970: 73; Bochkov et al., 2002: 10

Type locality: France

Distribution: France, Eastern Nord America

Hosts: ?*Tringa totanus* (Charadriiformes: Scolopacidae), *Sterna hirundo* (Charadriiformes: Laridae, Sterninae)

***Cheletopsis basilica* Oudemans**

Cheletopsis basilica Oudemans, 1904: 170; 1906: 186; Baker, 1949: 310; Volgin, 1969: 351; Summers & Price, 1970: 73; Bochkov et al., 2002: 8

Type locality: France

Distribution: France, Poland; USA (Alaska, Michigan)

Hosts: *Calidris melanotos*, *Tringa totanus* (Charadriiformes: Scolopacidae), *Charadrius hiaticula* (Charadriiformes: Charadriidae), *Chlidonius niger* (Charadriiformes: Laridae)

***Cheletopsis charadrii* Mironov, Bochkov et Chirov**

Cheletopsis charadrii Mironov, Bochkov & Chirov, 1991: 52; Bochkov et al., 2002: 18; Chernichko & Kivganov, 2013: 84

Type locality: Ottuk Village, near Issyk-Kul Lake (Kirghizstan)

Distribution: Kirghizstan, Ukraine

Hosts: *Charadrius alexandrinus*, *Ch. dubius* (Charadriiformes: Charadriidae)

***Cheletopsis daberti* Kivganov et Bochkov**

Cheletopsis daberti Kivganov & Bochkov, 1994: 39 (also “*deberti*”, laps. typ.); Bochkov et al., 2002: 15; Chernichko & Kivganov, 2013: 84

Type locality: Tigulskij Res., Odessa Prov., Ukraine

Distribution: Poland, Ukraine; USA (N. Dakota)

Hosts: *Calidris temminckii*, *Tringa glareola*, *T. nebularia*, *Micropalama himantopus* (Charadriiformes: Scolopacidae)

***Cheletopsis ferrugineae* Chernichko et Kivganov**

Cheletopsis ferrugineae Chernichko & Kivganov, 2013: 85

Type locality: Tilihul Lagoon

Distribution: Ukraine

Host: *Calidris ferruginea* (Charadriiformes: Charadriidae)

***Cheletopsis impavida* Oudemans**

Cheletopsis impavida Oudemans, 1904b: 170; 1906: 175; Baker, 1949: 310; Volgin, 1969: 342; Summers & Price, 1970: 73; Mironov, Bochkov & Chirov, 1991: 55; Bochkov et al., 2002: 12; Chernichko & Kivganov, 2013: 83

Type locality: France

Distribution: France, Poland; Russia (Primorie, Crimea), Kazakhstan, Kirghizstan; USA (Kansas, Michigan); Argentina

Hosts: *Tringa totanus*, *T. stagnatilis* (Charadriiformes: Scolopacidae), *Calidris minutus*, *C. pusilla*, *C. ferruginea*, *C. temminckii*, *C. ruficollis*, *Micropalama himantopus* (Charadriiformes: Scolopacidae), *Rostratula semicollaris* (Charadriiformes: Rostratulidae)

***Cheletopsis limnodromi* Bochkov, Fain et Dabert**

Cheletopsis limnodromi Bochkov, Fain & Dabert, 2002: 18

Type locality: Sapelo Isl., McIntosh Co., Georgia, USA

Distribution: USA (Georgia)

Host: *Limnodromus griseus* (Charadriiformes: Scolopacidae)

Cheletopsis magnanima* Oudemans – *Species inquirenda

Cheletopsis magnanima Oudemans, 1904: 170; 1906: 193; Volgin, 1969: 350; Summers & Price, 1970: 73; Mironov et al., 1991: 55; Bochkov et al., 2002: 22

Type locality: Chile (in museum in Angers, France)

Distribution: Chile

Host: *Tringa flavipes* (Charadriiformes: Scolopacidae, museum bird from Chile)

Cheletopsis mariae Mironov, Bochkov et Chirov

Cheletopsis mariae Mironov, Bochkov & Chirov, 1991: 51; Bochkov et al., 2002: 12

Type locality: Ottuk Village, Issyk-Kul Lake, Kirghizstan

Distribution: Poland; Kirghizstan

Host: *Actitis hypoleucos* (Charadriiformes: Scolopacidae)

Cheletopsis norneri Poppe

Cheyletus Nörneri Poppe, 1888: 239

Cheletopsis Nörneri (Poppe): Oudemans, 1906: 180

Cheletes noernerii Poppe: Poppe, 1909: 51

Cheletopsis norneri (Poppe): Baker, 1949: 310; Volgin, 1969: 345; Mironov et al., 1991: 55; Bochkov et al., 2002: 8

Type locality: France

Distribution: Bulgaria, France, Germany, Poland, Russia, Ukraine; Kazakhstan, Kirghizstan; Egypt; USA; Paraguay

Host: *Tringa totanus* (Charadriiformes: Scolopacidae), *Sterna hirundo*, *S. repressa*, *S. simplex*, *Gelochelidon nilotica*, *Chlidonias h. hybrida* (Charadriiformes: Laridae)

Cheletopsis prosobonialis Bochkov, Fain et Dabert

Cheletopsis prosobonialis Bochkov, Fain & Dabert, 2002: 22

Type locality: Tepoto Isl., Tuamotu Archipelago

Distribution: French Polynesia (Tuamotu)

Host: *Prosobonia cancellata* (Charadriiformes: Scolopacidae)

Cheletopsis rynchops Bochkov, Fain et Dabert

Cheletopsis rynchops Bochkov, Fain & Dabert, 2002 : 18

Type locality: South Tica-Buzi River, Distr. Vila Machado, Mozambique

Distribution: Mozambique; USA (N. Carolina)

Hosts: *Rynchops flavirostris*, *R. niger* (Charadriiformes: Laridae)

Cheletopsis thalasseus Bochkov et OConnor

Cheletopsis thalasseus Bochkov & OConnor, 2003: 270

Type locality: Florida, Monroe Co., Dry Tortugas, Garden Key

Distribution: USA (Florida)

Host: *Thalasseus* [*Sterna*] *sandviciensis* (Charadriiformes: Laridae, Sterninae)

Genus ***Cheletosoma*** Oudemans*Cheletosoma* Oudemans, 1905: 207Type species: *Cheletosoma tyrannus* Oudemans, 1905***Cheletosoma tyrannus*** Oudemans*Cheletosoma tyrannus* Oudemans, 1905: 207; 1906: 168; Baker, 1949: 315; Volgin, 1969: 332

Type locality: «Tropical America»

Distribution: «Tropical America»

Host: *Aramus scolopaceus* (Gruiformes: Aramidae)Genus ***Cheyletia*** Haller*Cheyletia* Haller, 1884: 233Type species: *Acarus squamosus* De Geer, 1776***Cheyletia americana*** Volgin*Cheyletia squamosa* Baker, 1949: 301*Cheyletia americana* Volgin, 1969: 240

Type locality: Birnham wood (Wisconsin)

Distribution: USA

Cheyletia aradiphila Volgin*Cheyletia aradiphila* Volgin, 1966b: 279; 1969: 238; Summers & Price, 1970: 65

Type locality: Regions of Murmansk, Leningrad, Vologda (Totma) and Irkutsk

Distribution: Russia

Host: *Aradus lugubris* (Heteroptera: Aradidae)***Cheyletia laureata*** Haller*Cheyletia laureata* Haller, 1884: 234; Karpelles, 1893: 124; Volgin, 1969: 237; Summers & Price, 1970: 65 (syn. of *Cheyletia squamosa*)

Type locality: Germany

Distribution: Germany, Hungary

Cheyletia papillifera Volgin*Cheyletus squamosus* Oudemans, 1897: 128 (not *Acarus squamosus* De Geer)*Cheyletia papillifera* Volgin, 1955: 171; 1969: 240; Žďárková, 1979; Summers & Price, 1970: 65; Solarz, 1989: 243

Type locality: Utrecht, Arnhem

Distribution: Holland, "Czechoslovakia", Poland

Host: *Chloris chloris* (Passeriformes: Fringillidae)

Cheyletia squamosa (De Geer)*Acarus squamosus* De Geer, 1778: 116*Cheyletia squamosa* (De Geer): Summers & Price, 1970: 65*Cheyletia laureata* Haller, 1884: 223

Type locality: Austria

Distribution: Austria

Genus ***Chiapacheylus*** De Leon*Chiapacheylus* De Leon, 1962: 135Type species: *Chiapacheylus edentatus* De Leon, 1962***Chiapacheylus edentatus*** De Leon*Chiapacheylus edentata* De Leon, 1962: 135; Torre Santana, 2015: 49*Chiapacheylus edentatus* De Leon: Volgin, 1969: 278; Summers & Price, 1970: 52

Type locality: Tuxtla Gutierrez (Chiapas)

Distribution: Cuba, Mexico (Chiapas)

Hosts: *Xylosoma elliptica*, *Citharexylum fruticosum***? *Chiapacheylus desertorum*** Zaher et Soliman*Chiapacheylus desertorum* Zaher & Soliman, 1967: 22

Type locality: El-Fayoum and Bury El-Arab

Distribution: Egypt

? *Chiapacheylus macrocorneus* Zaher et Soliman*Chiapacheylus macrocorneus* Zaher & Soliman, 1967: 23

Type locality: Giza and Tahrer Proc.

Distribution: Egypt

Genus ***Columbicheyla*** Thewke et Enns*Columbicheyla* Thewke & Enns, 1972: 450Type species: *Columbicheyla macroflabellata* Thewke et Enns, 1972***Columbicheyla bicicri*** Lin et Zhang*Columbicheyla bicicri* Lin & Zhang, 1997: 133; Fain & Bochkov, 2001: 76; Xia, 2010: 161

Type locality: Fudjian

Distribution: China (Fudjian)

Columbicheyla macroflabellata Thewke et Enns*Columbicheyla macroflabellata* Thewke & Enns, 1972: 450; Lin & Zhang, 1997; Fain & Bochkov, 2001: 76; Xia, 2010: 161

Type locality: Missouri

Distribution: China, Malaysia, Philippine Is., USA (Missouri)

Columbicheyla nindota (Corpuz-Raros)

Eucheyletia nindota Corpuz-Raros, 1988b: 417

Columbicheyla nindota (Corpuz-Raros): Corpuz-Raros, 1998: 266

Type locality: Leyte Is.

Distribution: Philippines

Genus ***Cunliffella*** Volgin

Type species: *Neoeucheyla (Bothrocheyla) pavlovskiyi* Volgin, 1964

Cunliffella Volgin, 1969: 255 (as subgenus)

Bothrocheyla Volgin 1964: 93

Type species: *Neoeucheyla tuberculicoxa* Volgin, 1964

Cunliffella bulgarica (Volgin)

Cheyletia bulgarica Volgin, 1955: 171

Neoeucheyla bulgarica (Volgin): Volgin, 1964: 89; 1969: 252; Summers & Price, 1970: 69;

Corpuz-Raros & Sotto, 1977: 161

Cunliffella bulgarica (Volgin): Fain & Bochkov, 2001 : 72; Bochkov, Hakimitabar & Sa-boori, 2005: 105

Type locality: Pazardzhik Distr. (Bulgaria)

Distribution: Bulgaria, China, Iran, Philippine Is.

Cunliffella dua (Corpuz-Raros)

Neoeucheyla dua Corpuz-Raros, 1998: 282

Cunliffella dua (Corpuz-Raros): Fain & Bochkov, 2001 : 72

Type locality: Mt. Makiling, Makiling Bot. Gardens, UPLB Forestry Campus, College, Laguna

Distribution: Philippines

Cunliffella maysa (Corpuz-Raros)

Neoeucheyla maysa Corpuz-Raros, 1998: 284

Cunliffella maysa (Corpuz-Raros): Fain & Bochkov, 2001 : 72

Type locality: Luzon Is., Putting Lupa, Calamba, Laguna

Distribution: Philippines

Cunliffella mumai (Volgin)

Neoeucheyla mumai Volgin, 1969: 254; Summers & Price, 1970: 69

Cunliffella mumai (Volgin): Fain & Bochkov, 2001 : 72

Type locality: Sebastian (Florida)

Distribution: U. S. A. (Florida)

Host: from *Pinus clausa*

Cunliffella ornata (Wafa et Soliman)

Neoeucheyla ornata Wafa & Soliman, 1968: 228; Summers & Price, 1970: 69

Cunliffella ornata (Wafa et Soliman): Fain & Bochkov, 2001 : 72

Type locality: Giza

Distribution: Egypt

Cunliffella panamensis (Baker)

Eucheyla panamensis Baker, 1949: 291; Patxot & Goff, 1985: 161

Neoeucheyla (Cunliffella) panamensis (Baker): Volgin, 1969: 260

Cunliffella panamensis: Summers & Price, 1970: 69; Patxot & Goff, 1985: 161; Fain & Bochkov, 2001: 72

Type locality: Panama

Distribution: Panama, USA (Colorado, California, Hawaii Is., Oahu)

Host: among eggs of termites

Cunliffella variegata (Barilo)

variegata Barilo, 1985: 45

Cunliffella variegata (Barilo): Fain & Bochkov, 2001: 72; Salarzahi, 2018:

Type locality: Uzbekistan

Distribution: Iran, Tadjikistan, Uzbekistan

Cunliffella whartoni (Baker)

Eucheyla whartoni Baker, 1949: 69; Volgin, 1964: 93

Neoeucheyla (Cunliffella) whartoni (Baker) Volgin, 1969: 255

Cunliffella tuberculicoxa Volgin, 1964: 90 – type: Murmansk Distr., Russia

Neoeucheyla (Cunliffella) tuberculicoxa Volgin, 1969: 256

Cunliffella tuberculicoxa (Volgin): Summers & Price, 1970: 71; Fain & Bochkov, 2001: 72 (syn.)

Cunliffella whartoni: Summers & Price, 1970: 70; Khaustov, 2021: 235

Type locality: Birnamwood, Wisconsin

Distribution: Estonia, Kyrgyzstan, Russia (as *C. tuberculicoxa*), USA (Wisconsin)

Hosts (of *Cunliffella tuberculicoxa*): *Aradus lugubris*, *A. aterrimus*, *A. nemtschinovi* (Heteroptera: Aradidae); *C. whartoni* is recorded by Khaustov (2021) from ant hill of *Formica rufa* (Formicidae).

Genus ***Dubininiola*** Volgin

Dubininiola Volgin, 1969: 242

Type species: *Dubininiola polylepis* Volgin, 1969

Polycheyletus Vaivanijkul, 1979: 251

Type species: *Polycheyletus boonkongae* Vaivanijkul, 1979

Dubininiola batangeniae (Corpuz-Raros et Sotto)

Oudemansicheyla batangeniae Corpuz-Raros & Sotto, 1977: 163

Polycheyletus batangeni (Corpuz-Raros et Sotto): Corpuz-Raros, 1980: 63

Dubininiola batangensis (Corpuz-Raros et Sotto): Fain & Bochkov, 2001 : 300; 2001 : 77

Type locality: Tanauan, Batangas

Distribution: Philippine Is.

Dubininiola boonkongae (Vaivanijkul)

Polycheyletus boonkongae Vaivanijkul, 1979: 251

Dubininiola boonkongae (Vaivanijkul): Fain & Bochkov, 2001 : 300; 2001: 77

Type locality: Thailand

Distribution: Thailand

Dubininiola polylepis Volgin

Dubininiola polylepis Volgin, 1969: 242; Fain & Bochkov, 2001 : 300; 2001 : 77

Type locality: Deynausskiy Rayon

Distribution: Turkmenistan

Host: rodent's burrow

Genus ***Eucheletopsis*** Volgin

Eucheletopsis Volgin, 1969: 356

Type species: *Cheyletus major* Trouessart, 1893 (Oudemans, 1904)

Eucheletopsis major (Trouessart)

Cheyletus major Trouessart in Berlese, 1893: 74 (nomen nudum)

Cheletopsis major (Trouessart): Oudemans, 1904b: 163; 1906: 200; Baker, 1949: 309

Eucheletopsis major (Trouessart): Volgin, 1969: 356; Summers & Price, 1970: 73

Type locality: New Guinea

Distribution: New Guinea

Host: *Hemiprocne* (= *Dendrochelidon*) *mystacea* (Apodiformes: Hemiprocniidae)

Genus ***Eutogenes*** Baker

Eutogenes Baker, 1949: 304

Type species: *Eutogenes foxi* Baker, 1949

Eutogenes bakeri Corpuz-Raros

Eutogenes bakeri Corpuz-Raros, 1998: 268

Type locality: Leyte Is., Visayas St. College of Agriculture, Baybay

Distribution: the Philippines

Eutogenes bicornis Khaustov

Eutogenes bicornis Khaustov, 2021: 200

Type locality: Tyumen Province, Tyumen Region, Tyumen, Zatyumenskiy park

Distribution: Russia

Eutogenes citri Gerson

Eutogenes citri Gerson, 1967: 363; Volgin, 1969: 285; Summers & Price, 1970: 60

Type locality: Karmon

Distribution: Israel

Eutogenes cornutus Corpuz-Raros

Eutogenes cornutus Corpuz-Raros, 1998: 270

Type locality: Luzon Is., Mt. Makiling, Putting Lupa, Calamba, Laguna, 300 m

Distribution: the Philippines

Eutogenes foxi Baker

Eutogenes foxi Baker, 1949: 304; Volgin, 1969: 281; Summers & Price, 1970: 58

Type locality: Brownsville (Texas)

Distribution: USA (Texas, Florida), Puerto Rico

Eutogenes frater Volgin

Eutogenes frater Volgin, 1958: 460; 1969: 282; Summers & Price, 1970: 60; Fain & Bochkov, 2001: 87; Bochkov, Hakimitabar & Saboori, 2005: 104;

Eutogenes africanus Wafa & Soliman, 1968: 225 – type: Giza, Burg El Arab and the north of the Delta, associated with scale insects, also collected from the bird nests; synonymized by Fain & Bochkov, 2001: 87

Type locality: Bulgaria

Distribution: Algeria, Bulgaria, Egypt, Iran, Turkey

Eutogenes makilingiensis Corpuz-Raros

Eutogenes makilingiensis Corpuz-Raros, 1998: 271

Type locality: Mt. Makiling, Luzon Is., Putting Lupa, Calamba, Laguna, 300 m

Distribution: Philippines

Eutogenes narashinoensis Hara et Hanada

Eutogenes narashinoensis Hara & Hanada, 1960: 25; Volgin, 1969: 286; Summers & Price, 1970: 60

Type locality: Narashino, Chiba Prefecture, free living

Distribution: Japan

Eutogenes onoi (Shiba)*Cheletogenes onoi* Shiba, 1976: 171*Eutogenes onoi* (Shiba): Ehara & Abdul Ghani, 1988: 240

Type locality: Malaysia

Distribution: Malaysia

Eutogenes pinicola Thewke et Enns*Eutogenes pinicola* Thewke & Enns, 1972: 453

Type locality: Missouri

Distribution: USA (Missouri)

Eutogenes punctata Zaher et Soliman*Eutogenes punctata* Zaher & Soliman, 1966: 65; Wafa & Soliman, 1968: 225; Summers & Price, 1970: 60*Eutogenes punctatus* Volgin, 1969: 283

Type locality: Giza

Distribution: Egypt

Eutogenes quadrisetatus (Berlese)*Cheletogenes quadrisetatus* Berlese 1913: 79; Wafa & Soliman, 1968: 224*Cheletogenes quadrisetosus*: Baker, 1949: 305*Eutogenes quadrisetatus* (Berlese); Volgin, 1969: 284; Summers & Price, 1970: 60; Xia, 2010: 161

Type locality: Java

Distribution: China, Indonesia (Java)

Eutogenes reticularis Olivier et Theron*Eutogenes reticularis* Olivier & Theron, 1988: 253

Type locality: Transvaal

Distribution: South Africa

Eutogenes vicinus Summers et Price*Eutogenes vicinus* Summers & Price, 1970: 59; Moser & Roton, 1971: 1775; Smiley & Moser, 1975: 406

Type locality: San Luis Obispo, California

Distribution: U.S.A. (California, Louisiana)

Genus ***Grallacheles*** De Leon*Grallacheles* De Leon, 1962: 135Type species: *Grallacheles bakeri* De Leon, 1962

***Grallacheles bakeri* De Leon**

Grallacheles bakeri De Leon, 1962: 135; Muma, 1964: 248; Volgin, 1969: 275; Summers & Price, 1970: 49; Corpuz – Raros & Sotto, 1977: 154; Tseng, 1977; Rosa & Flechtmann, 1979: 196; Žďárková, 1979; Fain & Bochkov, 2001 : 78; Xia, 2010: 161; Torre Santana, 2015

Paracheyletia woolfordi Cunliffe, 1962: 200 – type from Japan, intercepted in Hawaii; Tahiti; Nishida (Version 2009)

Type locality: Coral Gables (Florida), Mante (Tamaulipas)

Distribution: Angola, Brazil, D.R. Congo, Cuba, Japan, Malaysia, Mexico, Philippines Is., Surinam, Tahiti, Taiwan, USA (Florida, Hawaii), ‘Czechoslovakia’

***Grallacheles indicus* Podder, Gupta et Saha**

Grallacheles indicus Podder, Gupta & Saha, 2006: 333

Type locality: West Bengal

Distribution: India

***Grallacheles nanfengensis* Xia, Ye et Zhu**

Grallacheles nanfengensis Xia, Ye & Zhu, 1997: 173; Xia et al., 2000; Xia, 2010: 161

Type locality: Jiangxi

Distribution: China (Jiangxi)

Genus *Hoffmannita* Pelaez

Hoffmannita Pelaez, 1962: 72

Myrmicocheyla Volgin, 1963: 935

Type species: *Hoffmannita mexicana* Pelaez, 1962

***Hoffmannita clavipes* (Volgin)**

Myrmicocheyla clavipes Volgin, 1963: 935

Hoffmannita navicula: Lin & Zhang, 1997

Hoffmannita clavipes (Volgin): Volgin, 1969: 266; Xia, 2010: 161; Khausov, 2021: 235 (Kurgan and Tyumen Provinces)

Type locality: Ushkovo, Russia (Leningradskaya Prov.), ant hills of *Formica rufa* (Hymenoptera: Formicidae)

Distribution: China, Czech Rep., Russia

Hosts: *Aradus betulae*, *A. corticalis* (Heteroptera: Aradidae), ant hills

***Hoffmannita gersoni* Fain et Bochkov**

Hoffmannita gersoni Fain & Bochkov, 2001 : 73

Type locality: Curacao

Distribution: Netherlands-Antilles

Host: *Coenobita clypeata* (Decapoda: Coenobitidae)

Hoffmannita mexicana Pelaez*Hoffmannita mexicana* Pelaez, 1962: 75; Fain & Bochkov, 2001 : 73

Type locality: Estado de Oaxaca

Distribution: Mexico

Host: *Centruroides flavopictus* (Scorpiones: Buthidae)***Hoffmannita rimandoi*** Corpuz-Raros*Hoffmannita rimandoi* Corpuz-Raros, 1972: 262

Type locality: Philippines

Distribution: Philippines

Genus ***Hylopecheyla*** Fain*Hylopecheyla* Fain, 1972: 41Type species: *Hylopecheyla bunguranensis* Fain, 1972***Hylopecheyla bunguranensis*** Fain*Hylopecheyla bunguranensis* Fain, 1972: 42; 1979: 420; Fain & Bochkov, 2001: 60

Type locality: Bunguran Is., Natunas

Distribution: Indonesia (Natunas, Java)

Hosts: *Hylopetes everetti*, *H. sagitta* (Rodentia: Pteromyidae)***Hylopecheyla malayi*** Fain et Nadchatram*Hylopecheyla malayi* Fain & Nadchatram, 1980: 197; Fain & Bochkov, 2001: 59

Type locality: Jeugka Triangle Feedacheme (Pahang)

Distribution: Malaysia

Host: *Tupaia glis* (Scandentia: Tupaiidae)Genus ***Hypopicheyla*** Volgin*Hypopicheyla* Volgin, 1969: 242Type species: *Hypopicheyla elongata* Volgin, 1969***Hypopicheyla elongata*** Volgin*Hypopicheyla elongata* Volgin, 1969: 243; Summers & Price, 1970: 65–66; Doğan & Ayyıldız, 2004: 1; Bayram & Cobanoglu, 2006; Salarzei, 2018

Type locality: Russia (many areas in European and Asiatic Russia); Estonia (Tartu)

Distribution: Estonia, Russia, Iran, Turkey; ?USA (California)

Hosts: *Aradus aterrimus*, *A. crenaticollis*, *A. lugubris*, *A. nemtschinovi*, etc. (Heteroptera: Aradidae)***Hypopicheyla mirabilis*** (Volgin)*Cheyletia mirabilis* Volgin, 1955: 170; 1956: 212

Hypopicheyla mirabilis (Volgin): Volgin, 1969: 245; Summers & Price, 1970: 65; Corpuz-Raros, 1998; Bochkov, Hakimitabar & Saboori, 2005: 104

Type locality: Hiva (Uzbekistan)

Distribution: Iran, Philippines, Uzbekistan

Host: *Gonocephalum rusticum* (Coleoptera: Tenebrionidae)

Genus ***Metacheletoides*** Fain

Metacheletoides Fain, 1972: 40

Type species: *Metacheletoides numidae* Fain, 1972

Metacheletoides akanyaruensis (Fain)

Cheletoides akanyaruensis Fain, 1972: 40

Metacheletoides akanyaruensis (Fain): Fain, 1979: 1017

Type locality: Akanyaru River

Distribution: Rwanda

Host: *Numida meleagris intermedia* (Galliformes: Numididae)

Metacheletoides crinifer Fain

Metacheletoides crinifer Fain, 1979: 1018

Type localities: Butare, Gisagara (Rwanda), Marona (Cameroon), Lama Kara (Togo), Lotanoko (D. R. Congo)

Distribution: Cameroon, D. R. Congo, Rwanda, Togo

Hosts: *Crinifer piscator*, *C. zonurus*, *Corythaixoides leucogaster* (Musophagiformes: Musophagidae)

Metacheletoides gisagarensis Fain

Metacheletoides gisagarensis Fain, 1979: 1021

Type locality: Butare (Rwanda), Molegbe (D. R. Congo), Lama Kara (Togo)

Distribution: D. R. Congo, Rwanda, Togo

Hosts: *Crinifer piscator*, *C. zonurus* (Musophagiformes: Musophagidae)

Metacheletoides numidae Fain

Metacheletoides numidae Fain, 1972: 41; 1979: 1013

Type locality: n. Akanyaru River (Rwanda)

Distribution: Burundi, Ethiopia, Rwanda

Hosts: *Numida meleagris intermedia*, *N. meleagris meleagris* (Galliformes: Numididae)

Genus ***Mexeches*** De Leon

Mexeches De Leon, 1962: 132

Acarocheyla Volgin, 1965: 293 (syn. by Summers & Price, 1970: 43)

Type species: *Mexeches cunliffei* De Leon, 1962

***Mexeches aztecorum* De Leon**

Mexeches aztecorum De Leon, 1962: 133; Summers & Price, 1970: 45

Type locality: Oaxaca, Tuxtla Gutierrez (Chiapas)

Distribution: Mexico (Oaxaca, Chiapas)

Host: on *Quercus conzattii* and *Cocos nucifera*

***Mexeches cunliffei* De Leon**

Mexeches cunliffei De Leon, 1962: 132; Volgin, 1969: 185; Summers & Price, 1970: 44

Type locality: Huajuapán de León, Oaxaca

Distribution: Mexico (Oaxaca)

Host: *Ipomea murucoides* (Convolvulaceae)

***Mexeches hawaiiensis* (Baker)**

Cheletophyes hawaiiensis Baker, 1949: 289

Mexeches hawaiiensis (Baker): Muma, 1964: 248; Volgin, 1969: 198; Summers & Price, 1970: 44; Flechtmann, 1971: 31; Torre Santana, 2015

Mexeches intermedius De Leon, 1962: 133; Muma, 1964: 248

Acarocheyla hawaiiensis: Volgin, 1965: 293

Type locality: Kailua, Oahu, Hawaii

Distribution: Brazil, Mexico, Panama, USA (Hawaiian Is.)

***Mexeches impolitus* (Smiley et Moser)**

Acarocheyla impolita Smiley & Moser, 1970: 231

Mexeches impolitus (Smiley et Moser): Summers & Price, 1970: 48; Fain & Bochkov, 2001: 55

Type locality: Elizabeth, Louisiana

Distribution: USA (Louisiana)

Host: in boring dust and in galleries of *Dendroctonus* spp. (Coleoptera: Scolytidae)

***Mexeches marshalli* (Baker)**

Cheletophyes marshalli Baker, 1949: 290

Mexeches aztecorum De Leon, 1962: 133; Summers & Price, 1970: 45

Acarocheyla marshalli: Volgin, 1965: 294

Mexeches marshalli (Baker): Gerson, Fain & Smiley, 1999: 70

Type locality: Imboden (Arkansas)

Distribution: Mexico, USA (Arkansas)

***Mexeches panneus* Summers et Price**

Mexeches panneus Summers & Price, 1970: 46

Type locality: Lehman Creek, 8 miles W of Baker, Nevada

Distribution: USA (Nevada)

Mexecheles shiva Bochkov et Ochoa

Mexecheles shiva Bochkov & Ochoa, 2005: 137

Type locality: Bombay

Distribution: India

Mexecheles thailandensis Fuangarworn et Lekprayoon

Mexecheles thailandensis Fuangarworn & Lekprayoon, 2010: 60

Type locality: Sasaloy Subdistrict, Tharua District, Ayutthaya Province

Distribution: Thailand

Host: from tree bark infested by scolytid beetles

Mexecheles virginiensis (Baker)

Cheyletia virginiensis Baker, 1949: 299

Paracheyletia virginiensis (Baker): Volgin, 1955: 169

Mexecheles virginiensis (Baker): De Leon, 1962: 132; Volgin, 1969: 187; Summers & Price, 1970: 47; Fain & Bochkov, 2001: 54; Bochkov & Abramov, 2016; Diumina & Abramov, 2018: 213; Khaustov, 2021: 234

Acarocheyla virginiensis (Baker): Smiley & Moser, 1970: 233

Type locality: Gloucester Co., Virginia (USA)

Distribution: India (Kashmir), U.S.A. (Virginia, Louisiana, Nevada, Utah), Russia

Host: from boring dust of *Ips calligraphus* (Coleoptera: Scolytidae)

Mexecheles votandinii Jeffrey

Mexecheles votandinii Jeffrey, 1976: 668; 1977: 654

Type locality: Girvan, Ayrshire (Scotland)

Distribution: Scotland (U.K.)

Genus ***Microcheyla*** Volgin

Microcheyla Volgin, 1966b: 277

Type species: *Microcheyla parvula* Volgin, 1966

Microcheyla bengalensis Gupta et Paul

Microcheyla bengalensis Gupta & Paul, 1992: 76

Type locality: West Bengal, Medinipur

Distribution: India

Host: *Ploceus philippinus* (Passeriformes: Ploceidae)

Microcheyla granifera Kuznetsov

Microcheyla granifera Kuznetsov, 1977: 925

Microcheyla ozkani Koç & Ayyıldız, 1995: 226 – Turkey (syn. by Fain & Bochkov, 2001 : 74)

Type locality: Yalta, Crimea

Distribution: Turkey, Crimea

Microcheyla parvula Volgin

Microcheyla parvula Volgin, 1966b: 278; 1969: 270; Summers & Price, 1970: 72; Salarzahi, 2018:

Type locality: Ramit (Tadjikistan)

Distribution: Iran, Tadjikistan

Microcheyla paraparvula Olivier et Theron

Microcheyla paraparvula Olivier & Theron, 1989b: 49

Type locality: Transvaal

Distribution: South Africa (Transvaal)

Microcheyla squamosa Olivier et Theron

Microcheyla squamosa Olivier & Theron, 1989b: 54

Type locality: Transvaal

Distribution: South Africa (Transvaal)

Genus ***Muricheyla*** Fain

Muricheyla Fain, 1972: 42

Type species: *Muricheyla sicista* Fain, 1972

Muricheyla sicista Fain

Muricheyla sicista Fain, 1972: 43

Type locality: Caucase

Distribution: Caucase

Host: *Sicista subtilis* (Rodentia: Zapodidae)

Genus ***Neoeucheyla*** Radford

Neoeucheyla Radford, 1950: 82

Type species: *Cheyletia (Eucheyla) loricata* Berlese, 1913

Neoeucheyla bochkovi Fain

Neoeucheyla bochkovi Fain, 2003: 97

Type locality: Algiers

Distribution: Algeria

Host: from a flower in a garden

Neoeucheyla iranica Fain et Ardeshir

Neoeucheyla iranica Fain & Ardeshir, 2000: 329; Fain & Bochkov, 2001 : 72; Bochkov, Hakimitabar & Saboori, 2005: 105

Type locality: Iran

Distribution: Iran

Host: in a silo

***Neoeucheyla loricata* (Berlese)**

Cheyletia (*Eucheyla*) *loricata* Berlese, 1913: 79; Volgin, 1955: 170

Neoeucheyla loricata (Berlese): Volgin, 1969: 25; Summers & Price, 1970: 67; Fain & Bochkov, 2001 : 72; Bochkov & Mironov, 2007: 75

Type locality: Palermo («in Agri Panormitani muscis»)

Distribution: Italy (Sicily)

***Neoeucheyla minuta* Barilo**

Neoeucheyla minuta Barilo, 1986: 28; Fain & Bochkov, 2001 : 72; Bochkov & Mironov, 2007: 75

Type locality: Uzbekistan

Distribution: Uzbekistan

Neoeucheyla macrocorneus* Soliman – *Species inquirenda

Neoeucheyla macrocorneus Soliman, 1975: 101

Type locality: Giza

Distribution: Egypt

Neoeucheyla ploceus* Gupta et Paul – *Species inquirenda

Neoeucheyla ploceus Gupta & Paul, 1992: 74; Bochkov & Mironov, 2007: 75

Type locality: West Bengal, Medinipur

Distribution: India

Host: *Ploceus philippinus* (Passeriformes: Ploceidae)

Genus ***Oconnoricheylus*** Bochkov et Otto

Oconnoricheylus Bochkov & Otto, 2010: 2

Type species: *Oconnoricheylus speciosus* Bochkov et Otto, 2010

***Oconnorichelus chimaera* (Bochkov et Ochoa)**

Alliea chimaera Bochkov & Ochoa, 2005: 140

Oconnorichelus chimaera: Bochkov & Otto, 2010: 3

Type locality: Queensland

Distribution: Australia (Queensland)

***Oconnoricheylus speciosus* Bochkov et Otto**

Oconnoricheylus speciosus Bochkov & Otto, 2010: 3

Type locality: USA

Distribution: USA
Host: from oranges

Genus **Oudemansicheyla** Volgin
Oudemansicheyla Volgin, 1969: 272
Type species: *Cheletomimus denmarki* Yunker, 1961

Oudemansicheyla coprosomae Thewke et Enns
Oudemansicheyla coprosomae Thewke & Enns, 1976: 369
Type locality: Cobb L., Nelson Co.
Distribution: New Zealand

Oudemansicheyla denmarki (Yunker)
Cheletomimus denmarki Yunker, 1961: 1032; De Leon, 1962: 134
Oudemansicheyla denmarki (Yunker): Volgin, 1969: 272; Summers & Price, 1970: 10; Tseng, 1977: 254; Gerson, 1994: 439; Lin et al., 2000: 86; Xia, 2010: 161
Type locality: Florida (USA)
Distribution: Australia, China (Fujian), Taiwan, USA (Florida, Louisiana)

Genus **Paramicrocheyla** Olivier et Theron
Paramicrocheyla Olivier & Theron, 1989: 238; Fain & Bochkov, 2001: 299 (genus incertae sedis)
Type species: *Paramicrocheyla spinula* Olivier et Theron, 1989

Paramicrocheyla spinula Olivier et Theron
Paramicrocheyla spinula Olivier & Theron, 1989: 238
Type locality: Transvaal
Distribution: South Africa (Transvaal)

Paramicrocheyla unguina Olivier et Theron
Paramicrocheyla unguina Olivier & Theron, 1989: 242
Type locality: Transvaal
Distribution: South Africa (Transvaal)

Genus **Picocheyletus** Bochkov et OConnor
Picocheyletus Bochkov & OConnor, 2003: 268
Type species: *Picocheyletus tricholaemae* Bochkov et OConnor, 2003

Picocheyletus tricholaemae Bochkov et OConnor
Picocheyletus tricholaemae Bochkov & OConnor, 2003: 268
Type locality: Ogooue – Maritime, 25.2 km NW Doussala
Distribution: Gabon

Host: *Tricholaema hirsuta flavipunctata* (Piciformes: Capitonidae)

Genus ***Promuricheyla*** Fain

Promuricheyla Fain, 1979: 413

Type species: *Promuricheyla lukoschusi* Fain, 1979

Promuricheyla lukoschusi Fain

Promuricheyla lukoschusi Fain, 1979: 413

Type species: Mt. Katanglad, Mindanao

Distribution: Philippines (Mindanao)

Host: *Nannosciurus surrutilus* (Rodentia: Sciuridae)

Genus ***Prosocheyla*** Volgin

Prosocheyla Volgin, 1969: 288

Type species: *Cheletogenes oaklandia* Baker, 1949

Subgenus ***Prosocheyla*** Volgin

Prosocheyla Volgin, 1969: 288

Type species: *Cheletogenes oaklandia* Baker, 1949

Prosocheyla (P.) acanthus Smiley et Moser [*acanthi* ?]

Prosocheyla acanthus Smiley & Moser, 1970: 229; Fain & Bochkov, 2001: 85

Prosocheyla acantha: Summers & Price, 1970: 57

Type locality: Maurepas (Louisiana)

Distribution: USA (Louisiana)

Host: outer bark of loblolly pine

Prosocheyla (P.) oaklandia (Baker)

Cheletogenes oaklandia Baker, 1949: 306

Prosocheyla (Prosocheyla) oaklandia (Baker): Volgin, 1969: 289; Fain & Bochkov, 2001: 85

Prosocheyla oaklandia (Baker): Summers & Price, 1970: 55 (many localities in California);

Lucza, Ripka & Saly, 1996 (*oaklandi*)

Type locality: Oakland, California

Distribution: Hungary, USA (California)

Prosocheyla (P.) ripkai Fain et Bochkov

Prosocheyla ripkai Fain & Bochkov, 2001: 85

Type locality: Budapest

Distribution: Hungary

Host: from a tree *Populus simonii*

Prosocheyla (P.) sinensis Xia, Liang & Zhu*Prosocheyla (P.) sinensis* Xia, Liang & Zhu, 2005: 205; Xia, 2010: 161

Type locality: Henan

Distribution: China

Prosocheyla (P.) traubi (Baker)*Cheletogenes traubi* Baker, 1949: 307*Prosocheyla traubi* (Baker): Volgin, 1969: 291; Summers & Price, 1970: 56; Lucza, Ripka & Saly, 1996; Ripka, Fain & Bolland, 1999: 366; Fain & Bochkov, 2001: 85;

Type locality: Assam, Stillwell Road, near Ledo, India

Distribution: Burma, Hungary, India

Prosocheyla (P.) villosa Bochkov et Haustov*Prosocheyla villosa* Bochkov & Haustov, 1999: 151; Fain & Bochkov, 2001: 85

Type locality: Crimea, Aj-Danil'

Distribution: Crimea

Host: *Xylocleptes bispinus* (Coleoptera: Curculionidae)Subgenus ***Reckiana*** Volgin*Reckiana* Volgin, 1969: 291Type species: *Cheletogenes buckneri* Baker, 1949***Prosocheyla (Reckiana) buckneri*** (Baker)*Cheletogenes buckneri* Baker, 1949: 308*Prosocheyla (Reckiana) buckneri* (Baker): Volgin, 1969: 293; Fain & Bochkov, 2001: 85*Prosocheyla buckneri* (Baker): Summers & Price, 1970: 56

Type locality: Santa Paula, California

Distribution: USA (California)

Prosocheyla (Reckiana) citrifoliata (Muma)*Cheletogenes citrifoliata* Muma, 1964: 241*Prosocheyla (Reckiana) citrifoliata* (Muma): Volgin, 1969: 294; Fain & Bochkov, 2001: 85; syn. by Summers & Price, 1970: 56 with *Prosocheyla buckneri*

Type locality: Florida

Distribution: USA (Fla)

Prosocheyla (Reckiana) hepburni (Lawrence)*Cheletogenes hepburni* Lawrence, 1954: 70*Prosocheyla (Reckiana) hepburni* (Lawrence): Volgin, 1969: 292*Prosocheyla hepburni* (Lawrence): Summers & Price, 1970: 58

Type locality: Hamburg, Peddie Distr., South Africa

Distribution: South Africa

Host: *Lepidosaphes beckii* (Homoptera: Coccoidea: Diaspididae)

Genus ***Samsinakia*** Volgin

Samsinakia Volgin, 1965: 296

Cryptocheyla Fain, 1972: 41

Type species: *Cheletophyes theodoridis* Samšinak, 1959

Samsinakia carabae Ramaraju et Mohanasundram

Samsinakia carabae Ramaraju & Mohanasundram, 1999: 125; Fain & Bochkov, 2001: 76

Type locality: Tamil Nadu, Trichy

Distribution: India (Tamil Nadu)

Host: Carabidae (Coleoptera)

Samsinakia charanasriae Fuangarworn et Lekprayoon

Samsinakia charanasriae Fuangarworn & Lekprayoon, 2010: 64

Type locality: Buang-Chawak Park, Supan Buri Province

Distribution: Thailand

Host: from soil and leaf-litter

Samsinakia gonocephalum Fain

Samsinakia gonocephalum Fain, 1984: 686; Bochkov & Mironov, 1998: 265; Fain & Bochkov, 2001: 76

Type locality: DR Congo

Distribution: D. R. Congo (former Zaire), India

Host: *Gonocephalum simplex* (Coleoptera: Tenebrionidae)

Samsinakia pagongae Corpuz – Raros et Sotto

? *Samsinakia pagongae* Corpuz-Raros & Sotto, 1977: 165; Fain & Bochkov, 2001: 76

Type locality: Cale, Tanauan, Batangas

Distribution: Philippine Is.

Samsinakia theodoridis (Samšinak)

Cheletophyes theodoridis Samšinák, 1959: 81

Samsinakia theodoridis (Samšinák): Volgin, 1965: 298; 1969: 247; Summers & Price, 1970: 71; Fain & Bochkov, 2001: 76

Type locality: Tananarive

Distribution: Madagascar

Host: *Selinus abacoides* (Coleoptera: Tenebrionidae)

Samsinakia tilae Bochkov et Klimov*Samsinakia tilae* Bochkov & Klimov, 2005: 15

Type locality: Chiapas, 39 km on road between Tuxtla Gutierrez and Revolución Mexicana

Distribution: Mexico (Chiapas)

Host: *Blastinus* sp. (Coleoptera: Tenebrionidae)***Samsinakia trilobitus*** Bochkov et Mironov*Samsinakia trilobitus* Bochkov & Mironov, 1998: 266; Fain & Bochkov, 2001: 76; Kazemi & Paktinat-Saeij. 2021: 107

Type locality: Anamalai Hills, Cinchora

Distribution: India, Iran

Host: beetles (Coleoptera: Tenebrionidae)

Samsinakia volgini (Fain)*Cryptocheyla volgini* Fain, 1972: 41*Samsinakia volgini* (Fain): Fain, 1980: 105; Gerson, 1994: 444; Fain & Bochkov, 2001: 76

Type locality: Butare (Rwanda)

Distribution: Australia, D. R. Congo, Rwanda

Host: nest of *Spermestes cucullatus* (Passeriformes); on *Gonocephalum simplex* (Coleoptera: Tenebrionidae)Genus ***Thewkachela*** Ide et Kethley*Thewkachela* Ide & Kethley, 1977: 559Type species: *Thewkachela ratufi* Ide et Kethley, 1977***Thewkachela ratufi*** Ide et Kethley*Thewkachela ratufi* Ide & Kethley, 1977: 559; Fain & Nadchatram, 1980: 199

Type locality: Sabah

Distribution: Malaysia (Sabah), Thailand

Hosts: *Ratufa affinis*, *R. bicolor* (Rodentia: Sciuridae)Subfamily **Criokerontinae** Smiley

Criokerontinae Smiley, 1978: 239

Type genus: *Criokeron* Volgin, 1966Tribe **Niheliini** Smiley

Niheliinae Smiley, 1978: 239

Type genus: *Nihelia* Domrow et Baker, 1960

Criokerontini Smiley, 1978: 239

Type genus: *Criokeron* Volgin, 1966

Genus ***Criokeron*** Volgin

Criokeron Volgin, 1966: 293

Type species: *Nihelia quinta* Domrow et Baker, 1963

Criokeron quintus (Domrow et Baker)

Nihelia quinta Domrow & Baker, 1963: 230

Criokeron quinta: Fain & Nadchatram, 1980: 199

Criokeron quintus (Domrow et Baker); Volgin, 1966: 219; 1969: 386; Fain & Lukoschus, 1985: 264

Type locality: Subang, Selangor

Distribution: Malaysia, Thailand

Hosts: *Tupaia belangeri*, *T. glis* (Scandentia: Tupaiidae)

Criokeron thailandicus Fain et Lukoschus

Criokeron thailandicus Fain & Lukoschus, 1985: 266

Type locality: Nakhon Kachisima, Pak Thong Chai, Ban Sakaerat

Distribution: Thailand

Host: *Tupaia glis* (Scandentia: Tupaiidae)

Genus ***Galagocheles*** Fain

Galagocheles Fain, 1979: 629

Type species: *Cheletiella lemuricola* Lawrence, 1948

Galagocheles lawrencei Bochkov, Mironov et OConnor

Galagocheles lawrencei Bochkov, Mironov & OConnor, 2006: 189

Type locality: 3 km SE Nayaoure (Burkina Faso = Upper Volta)

Distribution: Burkina Faso, DR Congo, Rwanda

Hosts: *Galago moholi*, *G. senegalensis* (Primates: Galagonidae)

Galagocheles lemuricola (Lawrence)

Cheletiella lemuricola Lawrence, 1948: 39

Hemicheyletus lemuricola: Lawrence, 1954: 74; 1961: 114

Hemicheyletus (*H.*) *lemuricola*: Volgin, 1969: 378

Nihelia lemuricola (Lawrence): Domrow & Baker, 1963: 226; Summers & Price, 1970: 75

Galagocheles lemuricola (Lawrence): Fain, 1979: 630; Bochkov, Mironov & OConnor, 2006: 185

Type locality: Kwa Zulu-Natal, Cato Ridge, nr. Pietermaritzburg

Distribution: D. R. Congo (former Zaire), Rwanda, South Africa

Hosts: *Otolemur garnetti*, *O. [Galago] crassicaudata monteri*, *Galago moholi* (Primates: Galagonidae)

Genus ***Nihelia*** Domrow et Baker*Hemicheyletus* Lawrence, 1954: 74*Nihelia* Domrow & Baker, 1960: 194Type species: *Cheletiella curvidens* Lawrence, 1948***Nihelia calcarata*** Domrow et Baker*Nihelia calcarata* Domrow & Baker, 1960: 194; 1963: 226*Hemicheyletus calcaratus* (Domrow et Baker): Volgin, 1969: 382*Hemicheyletus calcarata*: Nagar, 1978: 102*Hemicheyletus herpestesi*: Nagar & Saxena, 1977: 35

Type locality: Kanchunaburi, Muang, Thailand

Distribution: India, Thailand

Hosts: *Herpestes* sp. (Thailand), *H. edwardsii* (India)(Carnivora: Herpestidae)***Nihelia curvidens*** (Lawrence)*Cheletiella curvidens* Lawrence, 1948: 40*Hemicheyletus curvidens*, Lawrence, 1954: 74; 1956: 338; 1961: 114*Hemicheyletus (Hemicheyletus) curvidens*: Volgin, 1969: 380*Nihelia curvidens* (Lawrence): Domrow & Baker, 1963: 226; Summers & Price, 1970: 75

Type locality: Natal

Distribution: Angola, South Africa

Hosts: *Galerella [Herpestes] sanguinea*, *Herpestes [Myonax cauii] punctulatus*, *H. bocagei* (Carnivora: Herpestidae)***Nihelia cynictis*** (Fain)*Hemicheyletus cynictis* Fain, 1979: 625*Nihelia cynictis* (Fain)

Type locality: Bloemhof (Transvaal)

Distribution: South Africa (Transvaal)

Host: *Cynictis penicillata* (Carnivora: Viverridae)Genus ***Sciurocheyla*** Volgin*Hemicheyletus (Sciurocheyla)* Volgin, 1969: 384*Thryonomycheyla* Fain, 1972: 42 (syn. by Bochkov & OConnor, 2004)*Smileycheles* Fain, 1979: 627 (syn. by Bochkov & OConnor, 2004)Type species: *Nihelia squamosa* Domrow et Baker, 1963Type species of *Smileycheles* Fain: *S. camerounensis* Fain, 1979Type species of *Thryonomycheyla* Fain: *T. congolensis* Fain, 1972***Sciurocheyla angolensis*** (Fain et Bochkov)*Thryonomycheyla angolensis* Fain & Bochkov, 2002: 148

Sciurocheyla angolensis (Fain et Bochkov):

Type locality: Angola

Distribution: Angola

Host: (?) *Thryonomys swinderianus* (Rodentia: Thryonomyidae)(contamination ?)

Sciurocheyla camerounensis (Fain)

Smileycheles camerounensis Fain, 1979: 627

Sciurocheyla camerounensis (Fain): Bochkov & OConnor, 2004: 316

Type locality: Foulassi (Cameroon)

Distribution: Cameroon, Tanzania

Hosts: *Heliosciurus undulatus* (Rodentia: Sciuridae), *Zenkerella insignis* (Rodentia: Anomaluridae)(cont.?)

Sciurocheyla congolensis (Fain)

Thryonomycheyla congolensis Fain, 1972: 42

Sciurocheyla congolensis (Fain): Bochkov & OConnor, 2004: 309

Type locality: D.R. Congo

Distribution: D.R. Congo

Host: (?) *Thryonomys swinderianus* (Rodentia: Thryonomyidae)(cont.?)

Sciurocheyla funisciurus Bochkov et OConnor

Sciurocheyla funisciurus Bochkov & OConnor, 2004: 311

Type locality: Cibitoke Prov., Nat. Park, Ndora Zone, E Kirumura, 2100 m

Distribution: Burundi

Host: *Funisciurus pyrrhopus* (Rodentia: Sciuridae)

Sciurocheyla squamosa (Domrow et Baker)

Nihelia squamosa Domrow & Baker, 1963: 227; Summers & Price, 1970: 75

Hemicheyletus (Sciurocheyla) squamosus (Domrow et Baker): Volgin, 1969: 384

Sciurocheyla squamosus (Domrow et Baker): Fain & Lukoschus, 1985: 264

Sciurocheyla squamosa (Domrow et Baker): Bochkov & OConnor, 2004: 309

Type locality: Nan Prov., Pang Nam NU, Bun Yun Distr., betw. Ban Rong Kwang and Ban Klang Wiang

Distribution: Thailand

Host: *Menetes* sp. (Rodentia: Sciuridae)

Subfamily **Metacheyletiinae** Fain

Metacheyletiinae Fain, 1980: 107

Type genus: *Metacheyletia* Fain, 1972

Genus ***Metacheyletia*** Fain*Metacheyletia* Fain, 1972: 43Type species: *Metacheyletia obesa* Fain, 1972***Metacheyletia amazonae*** Bochkov et OConnor*Metacheyletia amazonae* Bochkov & OConnor, 2003: 266

Type locality: Guyana

Distribution: Guyana

Host: *Amazona amazonica* (Psittaciformes: Psittacidae)***Metacheyletia degenerata*** Fain et Bochkov*Metacheyletia degenerata* Fain & Bochkov, 2003: 119

Type locality: Central Africa (Western Tanzania)

Distribution: Central Africa

Host: *Serinus mozambicus* (Passeriformes: Fringillidae)***Metacheyletia longisetosa*** Atyeo, Kethley et Pérez*Metacheyletia longisetosa* Atyeo, Kethley & Pérez, 1984: 125

Type locality: Jalisco, Puerto Vallarta

Distribution: Mexico

Host: *Amazona finsehi* (Psittaciformes: Psittacidae)***Metacheyletia ngaii*** Bochkov et Skoracki*Metacheyletia ngaii* Bochkov & Skoracki, 2011: 93

Type locality: Tanganyika

Distribution: Tanzania

Host: *Corythaixoides leucogaster* (Musophagiformes: Musophagidae)***Metacheyletia obesa*** Fain*Metacheyletia obesa* Fain, 1972: 43; 1980: 107

Type locality: Antwerp Zoo

Distribution: ?

Host: *Psittacula* sp. (Psittaciformes: Psittaculidae)Subfamily ***Ornithocheyletiinae*** Smiley*Ornithocheyletiinae* Smiley, 1978: 228Type genus: *Ornithocheyletia* Volgin, 1964Tribe ***Ornithocheyletiini*** Volgin*Ornithocheyletiini* Volgin, 1969: 387*Apodichelini* Fain, Smiley & Gerson, 1997: 81

Neocheyletiellini Fain, Smiley & Gerson, 1997: 81

Type genus: *Ornithocheyletia* Volgin, 1964

Genus ***Apodicheles*** Fain

Apodicheles Fain, 1979: 253

Type species: *Apodicheles cypsiurus* Fain, 1979

Apodicheles apus Fain

Apodicheles apus Fain, 1979: 255; Fain & Bochkov, 2002a: 159

Type locality: Butare

Distribution: Rwanda

Host: *Apus caffer* (Apodiformes: Apodidae)

Apodicheles collocalia Bochkov et OConnor

Apodicheles collocalia Bochkov & OConnor, 2003: 273

Type locality: Leyte Is., 4 km S, 1 km E Inopacan

Distribution: Philippines (Leyte)

Host: *Collocalia esculenta marginata* (Apodiformes: Apodidae)

Apodicheles cypsiurus Fain

Apodicheles cypsiurus Fain, 1979: 253

Type locality: Tzaneen, Transvaal

Distribution: South Africa

Host: *Cypsiurus p. parvus* (Apodiformes: Apodidae)

Apodicheles heteropalpus (Méglin) – **Species inquirenda**

Cheyletus heteropalpus Méglin, 1878: 11; 1880: 242

Cheyletiella heteropalpus: Berlese, 1886: fasc. 28, 2

Cheyletiella heteropalpa: Oudemans, 1906: 213

Neocheyletiella heteropalpus (Méglin): Baker, 1949: 272

Cheyletiella heteropalpa: Starkoff & Starkoff, 1950: 96

Neocheyletiella heteropalpa: Brown, 1971: 1380

Apodicheles heteropalpus (Méglin)

Type locality: Probably France

Distribution: France (?), Italy, USA

Host: *Columba livia* (Columbiformes: Columbidae)

Genus ***Bakericheyla*** Volgin

Bakericheyla Volgin, 1966: 297

Type species: *Cheyletiella chanayi* Berlese et Trouessart, 1889

Subgenus ***Apodicheyla*** Fain*Apodicheyla* Fain, 1979: 255Type species: *Bakericheyla (Apodicheyla) africana* Fain, 1979***Bakericheyla (Apodicheyla) africana*** Fain*Bakericheyla (Apodicheyla) africana* Fain, 1979: 256; Fain & Bochkov, 2001: 88

Type locality: Tzaneen, Transvaal

Distribution: South Africa

Host: *Cypsiurus parvus* (Apodiformes: Apodidae)Subgenus ***Bakericheyla*** Volgin*Bakericheyla* Volgin, 1966: 297Type species: *Cheyletiella chanayi* Berlese et Trouessart, 1889***Bakericheyla (Bakericheyla) benoiti*** Fain*Bakericheyla (Bakericheyla) benoiti* Fain, 1980: 135

Type locality: Galim

Distribution: Camerouns

Host: *Merops [Melittophagus] bullocki* (Coraciiformes: Meropidae) on the skin***Bakericheyla (Bakericheyla) chanayi*** (Berlese et Trouessart)*Cheyletiella Chanayi* Berlese & Trouessart, 1889: 135; Berlese, 1889: fasc. 56, No 3*Cheyletiella chanayi* (Berlese et Trouessart): Oudemans, 1906: 213*Neochyletiella chanayi*, Baker, 1949: 274; Dubinin, 1957: 90; Volgin & Nikolaeva, 1965: 300*Bakericheyla chanayi* (Berlese et Trouessart): Furman & Sousa, 1969: 858; Volgin, 1969: 400; 1987: 492; Smiley, 1970: 1060; Summers & Price, 1970: 77; Domrow, 1991: 1303; Fain & Bochkov, 2001: 88*Neochyletiella faini* Lawrence, 1959: 431 – Mossel Bay, Cape Province, from *Cossypha dichroa* (Passeriformes: Muscicapidae); synonymized by Fain & Bochkov, 2001: 88*Bakericheyla faini* (Lawrence): Volgin, 1969: 405*Bakericheyla (B.) faini* (Lawrence): Fain, 1980: 134 – from *Cossypha dichroa*, Cape Prov., South Africa*Bakericheyla (Bakericheyla) chanayi* (Berlese et Trouessart): Fain, 1980: 133*Bakericheyla chanayi latior* Fain, 1972: 46 – on *Paroaria gularis*

Type locality: Lyon, France

Distribution: Australia (Northern Territory), Holland, South Africa

Hosts: *Motacilla alba* (Passeriformes: Motacillidae), *Poephila acuticauda*, *P. gouldiae* (Passeriformes: Estrildidae), *Carduelis carduelis*, *Fringilla coelebs* (Passeriformes: Fringillidae), *Paroaria gularis* (Passeriformes: Thraupidae), *Cossypha dichroa* (Passeriformes: Muscicapidae)

Bakericheyla (Bakericheyla) subquadrata (Lawrence)*Neocheyletiella subquadrata* Lawrence, 1959: 427*Bakericheyla subquadrata* (Lawrence): Volgin, 1969: 411; Summers & Price, 1970: 78; Fain & Bochkov, 2001: 88*Bakericheyla (B.) subquadrata* (Lawrence): Fain, 1980: 134

Type locality: Kanji (Botswana)

Distribution: Botswana, South Africa

Host: *Merops* [*Melittophagus pusillus*] (Coraciiformes: Meropidae)***Bakericheyla (Bakericheyla) transvaalica*** (Lawrence)*Neocheyletiella transvaalica* Lawrence, 1959: 430*Bakericheyla transvaalica* (Lawrence): Volgin, 1969: 406; Summers & Price, 1970: 78; Fain & Bochkov, 2001: 88*Bakericheyla (B.) transvaalica* Fain, 1980: 134

Type locality: Mabelikwa (Transvaal)

Distribution: former U. S. S. R., South Africa, Rwanda, Zimbabwe

Hosts: *Melittophagus pusillus*, *M. bullockoides*, *Merops apiaster*, *M. supercilliosus persicus*, *M. nubicoides* (Coraciiformes: Meropidae)Genus ***Ornithocheyletia*** Volgin*Ornithocheyletia* Volgin, 1964: 28Type species: *Ornithocheyletia dubinini* Volgin, 1964***Ornithocheyletia aitkeni*** Fain*Ornithocheyletia aitkeni* Fain, 1972: 46; 1981: 201

Type locality: Guama

Distribution: Brazil

Host: *Turdus fumigatus* (Passeriformes: Turdidae)***Ornithocheyletia argentinensis*** Fain*Ornithocheyletia argentinensis* Fain, 1972: 45; 1981: 198

Type locality: Antwerp Zoo

Distribution: South America, (Argentina)

Hosts: *Forpus passerinus*, *Nandays nanday* (Psittaciformes: Psittacidae)***Ornithocheyletia boeroi*** Brandetti et Bischoff-de-Alzuet*Ornithocheyletia boeroi* Brandetti & Bischoff-de-Alzuet, 1981: 236

Type locality: Argentina

Distribution: Argentina

Host: *Cyanocorax chrysops* (Passeriformes: Corvidae)

Ornithocheyletia canadensis* (Banks)Cheyletiella canadensis* Banks, 1909: 133*Neocheyletiella canadensis* (Banks): Baker, 1949: 272; Volgin, 1964: 32*Ornithocheyletia canadensis* (Banks), Volgin, 1969: 393; Summers & Price, 1970: 78

Type locality: Guelph (Ontario)

Distribution: Bulgaria, Canada

Host: *Picus viridis* (Piciformes: Picidae)***Ornithocheyletia columbigallinae* Fain et Bochkov***Ornithocheyletia columbigallinae* Fain & Bochkov, 2002: 148

Type locality: Piracicaba

Distribution: Brazil

Host: *Columbigallina* sp. (Columbiformes: Columbidae)***Ornithocheyletia dubinini* Volgin***Ornithocheyletia dubinini* Volgin, 1964: 28; 1969: 390; Summers & Price, 1970: 78; Smiley, 1970: 1065; 1977: 229; Fain, 1981: 186; Skoracki, Bochkov & Sikora, 2004: 87*Ornithocheyletia barri* Smiley, 1977: 234 – type: Davis, California, on *Sturnus vulgaris*

Type locality: Kishinev (Moldavia)

Distribution: Holland, Moldavia, Poland; USA (California)

Host: *Sturnus vulgaris* (Passeriformes: Sturnidae)***Ornithocheyletia eulabes* Fain***Ornithocheyletia eulabes* Fain, 1981: 200

Type locality: Antwerp Zoo

Distribution: Asia (Antwerp Zoo)

Host: *Eulabes javana* (Passeriformes: Eulabetidae)***Ornithocheyletia francolini* Fain***Ornithocheyletia francolini* Fain, 1972: 44

Type locality: Waterport, N. Transvaal

Distribution: South Africa

Host: *Francolinus natalensis* (Galliformes: Phasianidae)***Ornithocheyletia garrulax* Fain***Ornithocheyletia garrulax* Fain, 1972: 46; 1981: 202

Type locality: Antwerp Zoo

Distribution: ?

Host: *Garrulax lencolophus bicolor* (Passeriformes: Timaliidae)

Ornithocheyletia geopeliae* FainOrnithocheyletia geopeliae* Fain, 1981: 192

Type locality: Antwerp Zoo

Distribution: ?

Host: *Geopelia striata* (Columbiformes: Columbidae)***Ornithocheyletia gersoni* Smiley***Ornithocheyletia gersoni* Smiley, 1970: 1065

Type locality: Wooster

Distribution: USA (Ohio)

Host: *Dendrocopos pubescens* (Piciformes: Picidae)***Ornithocheyletia granatina* Fain***Ornithocheyletia granatina* Fain, 1972: 46; 1981: 204

Type locality: Antwerp Zoo

Distribution: ?

Host: *Granatina ianthinogaster* (Passeriformes: Estrildidae)***Ornithocheyletia hallae* Smiley***Ornithocheyletia hallae hallae* Smiley, 1970: 1068; Fain, 1981: 190;*Ornithocheyletia hallae*: Haarløv & Mørch, 1975: 284; Smiley, 1978: 229; Hallas, 1978: 32; Rosa & Flechtmann, 1979: 121; Fain & Bochkov, 2002: 151; Valim & Gazeta, 2007: 518; Bilal, 2012: 169

Type locality: Brownsville, Texas

Distribution: Brazil, Denmark, England, South Africa, USA (Texas, California), Turkey, Iran

Hosts: *Columba livia*, *Columbigallina* sp. (Columbiformes: Columbidae); phoretic on *Pseudolynchia canariensis* (Diptera: Hippoboscidae)***Ornithocheyletia lamprocolius* Fain***Ornithocheyletia lamprocolius* Fain, 1972: 45; 1981: 204

Type locality: Central Africa

Distribution: Central Africa

Host: *Lamprocolius chloropterus* (Passeriformes: Sturnidae)***Ornithocheyletia lawrenceae* Smiley***Ornithocheyletia lawrenceae* Smiley, 1970: 1065

Type locality: San Antonio

Distribution: USA (Texas)

Host: *Psittacula* sp. (Psittaciformes: Psittaculidae)

Ornithocheyletia leiotrix* FainOrnithocheyletia leiotrix* Fain, 1972: 45; 1981: 198

Type locality: Antwerp Zoo

Distribution: Eastern Asia

Host: *Leiothrix lutea* (Passeriformes: Timaliidae)***Ornithocheyletia lepidus* Fain***Ornithocheyletia lepidus* Fain, 1981: 204

Type locality: Antwerp Zoo

Distribution: ?

Host: *Garrulax leucolophus bicolor* (Passeriformes: Leiothricidae)***Ornithocheyletia lichmerae* Smiley***Ornithocheyletia lichmerae* Smiley, 1984: 239 (lapsus)*Ornithocheyletia lichmerae* Domrow, 1991: 1313

Type locality: Western Australia

Distribution: Australia (W. A.)

Hosts: *Geiciphila indistincta*, *Grallina cyanoleuca* (Passeriformes: Monarchidae)***Ornithocheyletia lonchurae* Smiley***Ornithocheyletia lonchurae* Smiley, 1984: 240; Domrow, 1991: 1313

Type locality: Western Australia

Distribution: Australia (W. A.)

Host: *Donacola castaneothorax* (Passeriformes: Estrildidae)***Ornithocheyletia lukoschusi* Smiley***Ornithocheyletia lukoschusi* Smiley, 1970: 1069; Fain, 1981: 198

Type locality: Nijmegen

Distribution: Holland

Host: *Hirundo rustica* (Passeriformes: Hirundinidae)***Ornithocheyletia mironovi* Chirov et Bochkov***Ornithocheyletia mironovi* Chirov & Bochkov, 1998: 35

Type locality: Lake Issyk – Kul Region, Ottuk Village

Distribution: Kyrgyzstan

Host: *Riparia riparia* (Passeriformes: Hirundinidae)***Ornithocheyletia oriolis* Fain et Bochkov***Ornithocheyletia oriolis* Fain & Bochkov, 2002: 151

Type locality: Akanyaru River, Rwanda

Distribution: Rwanda

Hosts: *Oriolus oriolus* (Passeriformes: Oriolidae), *Lybius* sp. (Piciformes: Capitonidae), *Indicator indicator* (Piciformes: Indicatoridae), *Pachyphantes superciliosa* (Passeriformes: Ploceidae), *Chrysococcyx klaasi* (Cuculiformes: Cuculidae)

Ornithocheyletia phylloscopi Bochkov, Mironov et Gorgol

Ornithocheyletia phylloscopi Bochkov, Mironov & Gorgol, 1995: 74

Type locality: Leningradskaya oblast

Distribution: Russia, Ukraine

Host: *Phylloscopus trochilus* (Passeriformes: Phylloscopidae)

Ornithocheyletia pinguis (Berlese)

Cheyletiella pinguis Berlese, 1889: 56; 1893: 75

Cheyletiella pinguis, Oudemans, 1906: 213; Poppe, 1909: Womersley, 1941: 59

Neocheyletiella pinguis, Baker, 1949: 275

Ornithocheyletia pinguis, Volgin, 1964: 34; 1969: 396; Smiley, 1970: 1065; 1977: 229; Fain, 1981: 186

Type locality: Florence

Distribution: Germany, Italy

Hosts: *Columba livia domestica* (Columbiformes: Columbidae), *Sturnus vulgaris* (Passeriformes: Sturnidae), *Turdus merula* (Passeriformes: Turdidae)

Ornithocheyletia prognæ Bochkov et Galloway

Ornithocheyletia prognæ Bochkov & Galloway, 2001: 2017

Type locality: Winnipeg, Manitoba

Distribution: Canada

Host: *Progne subis* (Passeriformes: Hirundinidae)

Ornithocheyletia psittaci Fain

Ornithocheyletia psittaci poicephali Fain

Ornithocheyletia psittaci poicephali Fain, 1981: 194

Type locality: Western Africa

Distribution: Western Africa

Host: *Poicephalus senegalus* (Psittaciformes: Psittacidae)

Ornithocheyletia psittaci psittaci Fain

Ornithocheyletia psittaci Fain, 1972: 43

Type locality: Antwerp Zoo

Distribution: Western Africa

Host: *Psittacus erythacus* (Psittaciformes: Psittacidae)

Ornithocheyletia smileyi* FainOrnithocheyletia smileyi* Fain, 1972: 45; 1981: 196

Type locality: Antwerp Zoo

Distribution: ?

Host: *Myopsitta monachus* (Psittaciformes: Psittacidae)***Ornithocheyletia turdi* Bochkov et Galloway***Ornithocheyletia turdi* Bochkov & Galloway, 2001: 2015

Type locality: Winnipeg, Manitoba

Distribution: Canada

Host: *Turdus migratorius* (Passeriformes: Turdidae)***Ornithocheyletia volgini* Smiley***Ornithocheyletia volgini* Smiley, 1970: 1069; Fain, 1981: 190

Type locality: Wayne Co., Ohio

Distribution: USA (Ohio)

Host: *Petrochelidon pyrrhonota* (Passeriformes: Hirundinidae)***Ornithocheyletia wauthyi* Fain et Bochkov***Ornithocheyletia wauthyi* Fain & Bochkov, 2002: 152

Type locality: Rwanda

Distribution: Rwanda

Host: *Lamprocolius* sp. (Passeriformes: Sturnidae)**Tribe *Teinocheylini* Fain***Teinocheylini* Fain, 1974: 273*Teinocheylinae* FainType genus: *Teynocheylus* Fain, 1974**Genus *Teinocheylus* Fain***Teinocheylus* Fain, 1974: 271Type species: *Teinocheylus longissimus* Fain, 1974***Teinocheylus gundii* Fain, Gerrits et Lukoschus***Teinocheylus gundii* Fain, Gerrits & Lukoschus, 1982: 450

Type locality: Chebikar

Distribution: Tunisia

Hosts: *Ctenodactylus gundi*, *C. vali*, *Massoutiera mzabi* (Rodentia: Ctenodactylidae)***Teinocheylus longissimus* Fain***Teinocheylus longissimus* Fain, 1974: 271

Type locality: Berbera, N. Somalia

Distribution: Somalia

Host: *Pectinator spekei* (Rodentia: Ctenodactylidae)

Index of Cheyletidae

(Names in bold are accepted as **valid**)

- acantha*, *Prosocheyla* 96
***acanthus*, *Prosocheyla* 96**
acanyaruensis, *Cheletoides* 90
***acanyaruensis*, *Metacheletoides* 90**
Acarocheyla 90
acarophagus, *Cheyletus* 42
***Acaropsella* 59**
***Acaropsellina* 60**
***Acaropsellini* 59**
Acaropsis 61
Acarus 77
acer, *Cheletes* 48
acer, *Cheyletus* (sp. inquir.) 48
***aceriai*, *Cheletogenes* 74**
Acheletomorpha 76
***acidalia*, *Ker* 54**
***aegithali*, *Neochyletiella* 18**
***Aegyptocheyla* (genus inquir.) 69**
aegyptiaca, *Acaropsella* 60
aegyptiaca, *Acaropsis* 60
***africana*, *Bakericheyla* 105**
africanus, *Eutogenes* 86
***afrotropicalis*, *Ker* 54**
***aigamuxa*, *Chelacheles* 65**
***aitkeni*, *Ornithocheyletia* 106**
alacer, *Cheyletus* (sp. inquir.) 48
***alexandrinus*, *Chelacheles* 65**
***alfortensis*, *Neochyletiella* 18**
algericus, *Chelacheles* 68
allactaga, *Cheyletus* 42
***Alliea* 70**
altilis, *Acaropsis* 61
***altilis*, *Acaropsellina* 61**
***amandavae*, *Neochyletiella* 18**
***amazonae*, *Metacheyletia* 103**
***americana*, *Cheyletia* 81**
americana, *Cheyletiella* 15
americana, *Ewingella* 16
***anarbora*, *Cheletomimus* 26**
anarbora, *Hemicheyletia* 26
anarbora, *Paracheyletia* 26
***anarsia*, *Acaropsellina* 61**
***anax*, *Cheletopsis* 78**
***angolensis*, *Sciurocheyla* 101**
angolensis, *Thryonomyscheyla* 101
***animosa*, *Cheletopsis* 78**
***Andrecheyla* 25**
***Anthribicheyla* 21**
***apanaskevichi*, *Chelacheles* 65**
***apicola*, *Cheletophyes* 38**
***Apodicheles* 104**
Apodichelini 103
***Apodicheyla* 105**
apus, *Apodicheles* 104
apus, *Chelacaropsis* 73
***aradiphila*, *Cheyletia* 81**
***ardeola*, *Neochyletiella* 18**
arecana, *Hemicheyletia* 34
***argentiniensis*, *Ornithocheyletia* 106**
***artami*, *Neochyletiella* 19**
***ascutatus*, *Cheyletus* 41**
***ascutatus*, *Cheletomimus* (*Philippicheyla*) 34**
asiatica, *Eucheyletia* 51
asiatica, *Hemicheyletia* 26
***asiaticus*, *Cheletomimus* 26**
assimilis, *Paracheyletia* 57
***Atarsacheylus* 65**
***athenae*, *Cheletomimus* 26**

- athenae*, *Hemicheyletia* 26
athene, *Neocheyletiella* 19
attiahi, *Cheyletus* 41
audax, *Cheletes* 49
audax, *Cheyletus* (sp. inquir.) 49
aurorae, *Cheletophyes* 38
aversor, *Cheyletus* 42
avicola, *Neocheyletiella* 19
avidus, *Cheyletus* 44
ayyazi, *Cheyletus* 44
Aztecocheyletus 22
aztecorum, *Mexeches* 91
bacchusi, *Chelacheles* 65
baiwanganae, *Chelacheles* 65
Bak 70
bakeri, *Acheletomorpha* 76
bakeri, *Chelachecaropsis* 66
bakeri, *Chelacheles* 66
bakeri, *Cheletomimus* (*Hemicheyletia*) 26
bakeri, *Cheletomorpha* 76
bakeri, *Eucheyletia* 51
bakeri, *Eutogenes* 85
bakeri, *Grallacheles* 88
bakeri, *Hemicheyletia* 26
bakeri, *Ker* 54
bakeri, *Paracheyletia* 26
Bakericheyla 104
Bakini 69
baloghi, *Cheyletus* 41
baridos, *Cheyletus* 44
barri, *Ornithocheyletia* 107
basilica, *Cheletopsis* 78
batangeniae, *Dubininiola* 85
batangeniae, *Oudemansicheyla* 85
batangeni, *Polycheyletus* 85
batangensis, *Polycheyletus* 85
batomysi, *Cheyletus* 41
beauchampi, *Cheyletus* 42
beeri, *Neoeucheyla* 14
bengalensis, *Microcheyla* 92
benoiti, *Bakericheyla* 105
berlesei, *Cheletes* 24
berlesei, *Cheletomimus* 24
berlesei, *Cheyletomimus* 25
Bicheyletiella 15
bicicri, *Columbicheyla* 82
bicornis, *Eutogenes* 86
bidentatus, *Cheyletus* 41
binus, *Cheletomimus* (sp. inquir.) 35
bipanus, *Chelacheles* 66
bisetosus, *Cheletomimus* (sp. inquir.) 35
bishoppi, *Eucheyletia* 51
blakei, *Cheyletiella* 15
blosis, *Hemicheyletia* 27
bochkovi, *Neoeucheyla* 93
bocki, *Anthribicheyla* 21
boeroi, *Ornithocheyletia* 106
boonkongae, *Dubininiola* 85
boonkongae, *Polycheyletus* 85
Bothrocheyla 14
bothrophila, *Eucheyletia* 51
bregetovae, *Cheletomimus* 27
bregetovae, *Dendrocheyla* 27
bregetovae, *Hemicheyletia* 27
buckneri, *Cheletogenes* 97
buckneri, *Prosocheyla* 97
bulgarica, *Cheyletia* 83
bulgarica, *Cunliffella* 83
bulgarica, *Neoeucheyla* 83
bunguranensis, *Hylopecheyla* 89
burmiticus, *Cheyletus* (sp. inquir.) 49
buruensis, *Indonesicheyla* 58
buruensis, *Tutacheyla* 58
cacahuamilpensis, *Cheyletus* 41
caeterus, *Ker* 54
calamondin, *Nodele* 56
calawayae, *Neocheyletiella* 20
calcarata, *Nihelia* 101
calcarata, *Hemicheyletus* 101
calcaratus, *Hemicheyletus* 101
callawayae, *Neocheyletiella* 20
callida, *Acaropsis* 63
cambio, *Cheletomimus* (sp. inquir.) 35
camerounensis, *Smileyches* 102

camerounensis, *Sciurocheyla* 102
Camincheyletus 22
canadensis, *Cheyletiella* 107
canadensis, *Neocheyletiella* 107
canadensis, *Ornithocheyletia* 107
cancriformis, *Eutarsus* 42
cantor, *Cheletomimus* (sp. inquir.) 35
carabae, *Samsinakia* 98
carinatus, *Cheletogenes* 74
carnifex, *Cheyletus* 42
caucasica, *Cheletonella* 24
caucasica, *Lepidocheila* 55
causicus, *Cheyletus* 44
Caudacheles 72
chanayi, *Bakericheyla* 105
chanayi, *Cheletiella* 105
chanayi, *Cheyletiella* 105
chanayi, *Neocheyletiella* 105
charadrii, *Cheletopsis* 79
charanasriae, *Samsinakia* 98
Chelacaropsis 73
Chelachecaropsis 65
Chelacheles 65
Cheletacarus 22
Cheletogenes 73
Cheletoides 76
Cheletomimus 24
Cheletomorpha 76
Cheletonella 23
Cheletophanes 37
Cheletophyes 38
Cheletopsis 78
Cheletosoma 81
Chelonotinae 14
Chelonotini 14
Chelonotus 14
Cheyletia 81
Cheyletidae 14
Cheyletides 14
Cheyletiella 15
Cheyletiellinae 14
Cheyletinae 21

Cheyletini 21
Cheyletus 41
Chiapacheylus 82
chimaera, *Alliea* 94
chimaera, *Oconnoricheylus* 94
chirunduensis, *Cheletoides* 76
chui, *Cheletomimus* (*Hemicheyletia*) 27
chui, *Hemicheyletia* 27
citri, *Eutogenes* 86
citrifoliata, *Cheletogenes* 97
citrifoliata, *Prosocheyla* (*Reckiana*) 97
citrosinensis, *Cheletomimus* (sp. inquir.) 36
clamo, *Acaropsellina* 61
clamo, *Acaropsis* 61
clavipes, *Hoffmannita* 88
clavipes, *Myrmicocheyla* 88
clavipilis, *Cheletophyes* 38
clavispinus, *Cheyletus* (sp. inquir.) 49
coccineae, *Nodele* 56
cocciphilus, *Cheyletus* 75
collocalia, *Apodicheles* 104
Columbicheyla 82
columbigallinae, *Ornithocheyletia* 107
congolensis, *Sciurocheyla* 102
congolensis, *Thryonomycheyla* 102
congensis, *Cheletomimus* 27
congensis, *Hemicheyletia* 27
congensis, *Paracheyletia* 27
congoensis, *Cheletomimus* 27
congolensis, *Sciurocheyla* 102
conquistador, *Aztecocheyletus* 21
conquistador, *Nodele* 22
coprosomae, *Oudemansicheyla* 95
cordovens, *Cheletomimus* 27
cordovens, *Cheyletia* 27
cordovens, *Hemicheyletia* 27
cornutus, *Eutogenes* 86
corpuzrarosae, *Neochelacheles* 69
corpuzrarosae, *Granulocheyletus* 53
crassus *Cheyletus* (sp. inquir.) 49
crinifer, *Metacheletoides* 90
Criokeron 100

Crikerontinae 99

Crikerontini 99

crowei, *Cheletomimus* 34**Cryptocheyla 99***culpa*, *Acaropsellina* 61*culpa*, *Acaropsis* 61*cunliffei*, *Mexeches* 91**Cunliffella 83***curvidens*, *Cheletiella* 101*curvidens*, *Hemicheyletus* 101*curvidens*, *Nihelia* 101*cynictis*, *Hemicheyletus* 101*cynictis*, *Nihelia* 101*cypsiurus*, *Apodicheles* 104*daberti*, *Cheletopsis* 79*daddariensis*, *Cheletonella* 23*daltoniensis*, *Cheletomimus* 25*darwinius*, *Cheletomimus* 28*darwinia*, *Hemicheyletia* 28*daurica*, *Eucheyletiella* 17*davisi*, *Cheyletus* 47*decorus*, *Cheletophyes* 38*degenerata*, *Metacheyletia* 103*deleoni*, *Bak* 70*Dendrocheyla* 25*dengi*, *Cheyletiella* 16*denmarki*, *Cheletomimus* 95*denmarki*, *Oudemansicheyla* 95*deodikari*, *Cheletophyes* (sp. inquir.) 40*desertorum*, *Chiapacheylus* (sp. inquir.) 82*desitus*, *Cheyletus* 42*disparis*, *Cheletomimus* 28*disparis*, *Hemicheyletia* 28*dissitus*, *Cheletogenes* 74*docta*, *Acaropsellina* 61*docta*, *Acaropsis* 61*doctus*, *Cheyletus* 61*doddi*, *Cheyletus* 42*dolosus*, *Cheletomorpha* 77*domitus*, *Cheletomimus* 36*dua*, *Cunliffella* 83*dua*, *Neoeucheyla* 83*dubinini*, *Ornithocheyletia* 107**Dubininiola 84***duosetosus*, *Cheletomimus* 25*eburneus*, *Cheyletus* 42*echis*, *Cheletomimus* 28*echis*, *Hemicheyletia* 28*eckerti*, *Cheletophyes* 38*edentata*, *Chiapacheylus* 82*edentatus*, *Chiapacheylus* 82*egypticus*, *Cheyletus* 44*elongata*, *Hypopicheyla* 89*elongatus*, *Bak* 70*emersus*, *Cheletonella* 23*eo*, *Eucheyletia* 51*eruditus*, *Acarus* 42*eruditus*, *Cheletes* 42*eruditus*, *Cheyletus* 42**Eucheletopsis 85****Eucheyletia 50***Eucheyletiella* 17*eulabes*, *Ornithocheyletia* 107**Eutarsus 42****Eutogenes 85***ewingi*, *Chelonotus* 14*Ewingella* 16*faini*, *Bak* 71*faini*, *Bakericheyla* 105*faini*, *Eucheyletiella* 17*faini*, *Neoeucheyletiella* 105*ferox*, *Cheletes* 49*ferox*, *Cheyletus* (sp. inquir.) 49**ferrugineae, Cheletopsis 79****filipina, Acaropsella 59****filipina, Cheletomimus 35***filipina*, *Philippicheyla* 35**fissilis, Cheletomimus 36***flabellifer*, *Cheyletus* 51*flabellifera*, *Cheletia* 51*flabellifera*, *Cheyletia* 51**flabellifera, Eucheyletia 51****flecto, Cheletomimus (sp. inquir.) 36***fortis*, *Cheletes* 44

- fortis*, *Cheyletus* 45
foxi, *Eutogenes* 86
francolini, *Ornithocheyletia* 107
frater, *Eutogenes* 86
funisciuri, *Cheyletus* 43
funisciuri, *Eucheyletia* 43
funisciurus, *Sciurocheyla* 102
furcatus, *Bak* 70
furibundus, *Cheyletus* 47
furmani, *Cheyletiella* 16
Galagocheles 100
gallowayi, *Granulocheyletus* 53
garrulax, *Ornithocheyletia* 107
geopeliae, *Ornithocheyletia* 108
gerbillicola, *Cheyletus* 43
gersoni, *Bak* 71
gersoni, *Hoffmannita* 88
gersoni, *Ornithocheyletia* 108
gisagarensis, *Metacheletoides* 90
glaucomys, *Camincheyletus* 22
glomus, *Cheletomimus* 28
lomus, *Hemicheyletia* 28
gonocephalum, *Samsinakia* 98
gracilis, *Cheletomimus* 28
gracilis, *Lepidocheyla* 56
Grallacheles 87
granatina, *Ornithocheyletia* 108
granifera, *Microcheyla* 92
granulatus, *Neacaropsis* 69
Granulocheyletus 53
granulus, *Cheletomimus* 28
granulus, *Hemicheyletia* 28
greenwoodi, *Cheletomimus* 29
gryphus, *Cheletacarus* 22
gundii, *Teinocheylus* 111
hallae, *Ornithocheyletia* 108
hardyi, *Eucheyletia* 52
harnaji, *Cheletophyes* (sp. inquir.) 40
harpyia, *Cheyletia* 52
harpyia, *Eucheyletia* 52
hastatus, *Cheletomimus* 29
hastatus, *Hemicheyletia* 29
hawaiiensis, *Cheletophyes* 91
hawaiiensis, *Mexечеles* 91
hellenicus, *Chelacheles* 66
Hemicheyletia 25
Hemicheyletus 101
hendersoni, *Cheyletus* 47
hepburni, *Cheletogenes* 97
hepburni, *Prosocheyla* 97
heredis, *Cheletomimus* (sp. inquir.) 36
herpestesi, *Hemicheyletus* 101
heteropalpa, *Cheletiella* 104
heteropalpa, *Cheyletiella* 104
heteropalpus, *Apodicheles* 104
heteropalpus, *Cheyletus* 104
heteropalpa, *Neocheyletiella* 104
heteropalpus, *Neocheyletiella* 104
hirnai, *Acaropsellina* 62
hirnai, *Acaropsis* 62
hissariensis, *Hemicheyletia* 55
hoffmannae, *Cheletonella* 23
Hoffmannita 88
hortensis, *Paracheyletia* 57
humilis, *Chelacheles* 66
Hylopecheyla 89
Hypopicheyla 89
iconis, *Cheletogenes* 74
impavida, *Cheletopsis* 79
impolita, *Acarocheyla* 91
impolitus, *Mexечеles* 91
indiacus, *Cheletophyes* 38
indica, *Cheletomimus* 29
indica, *Hemicheyletia* (sp. inquir.) 29
indicus, *Grallacheles* 88
Indonesicheyla 58
indonesiensis, *Bak* 71
indra, *Chelacheles* 67
infensus, *Cheyletus* 44
intermedius, *Mexечеles* 91
intrepidus, *Cheletes* 49
intrepidus, *Cheyletus* (sp. inquir.) 49
iranica, *Bak* 71
iranica, *Neoeucheyla* 93

- iraniensis*, *Cheletonella* 24
johnstoni, *Cheyletiella* 17
johnstoni, *Eucheyletiella* 17
juglandis, *Cheletonella* (sp. inquir.) 24
katangae, *Cheyletiella* 16
kennedyae, *Nidocheyletus* 56
Kenyacheylus 53
kenyensis, *Chelacaropsis* 73
Ker 54
khayae, *Caudacheles* 72
kinishasensis, *Acaropsella* 59
kivuensis, *Cheyletus* 43
kivuensis, *Eucheyletia* 43
klimovi, *Chelacheles* 67
knowltoni, *Cheletophyes* 77
konoï, *Acaropsella* 59
kulagini, *Acaropsella* 59
kulagini, *Acaropsis* 59
kulagini, *Neoacaropsis* 59
kureatollensis, *Granulocheyletus* 53
kureatollensis, *Hemicheyletia* 53
kuznetzovi, *Cheyletus* 43
kysenyiensis, *Hemicheyletia* 29
kysenyiensis, *Cheletomimus* 29
lacinia, *Hemicheyletia* 27
Laeliocheyletia 55
laguncula, *Hemicheyletia* 33
lamprocolius, *Ornithocheyletia* 108
Lanceacheyla 55
lanceolata, *Cheletomimus* (*Hemicheyletia*) 29
lanceolatus, *Chelacheles* 67
larmae, *Cheletomimus* (sp. inquir.) 66
laruei, *Alliea* 70
laticor, *Bakericheyla chanayi* 105
laureata, *Cheyletia* 81
lawrenceae, *Ornithocheyletia* 108
lawrencei, *Galagocheles* 100
legendrei, *Cheyletus* 43
leiotrix, *Ornithocheyletia* 109
lemuricola, *Cheletiella* 100
lemuricola, *Cheyletiella* 100
lemuricola, *Galagocheles* 100
lemuricola, *Hemicheyletus* 100
lemuricola, *Nihelia* 100
Lepidocheyla 55
lepidopterorum, *Acarus* 77
lepidopterorum, *Cheletomorpha* 77
lepidus, *Ornithocheyletia* 109
levis, *Acaropsellina* 62
levis, *Neoacaropsis* 62
leytensis, *Hemicheyletia* 29
leytensis, *Cheletomimus* 29
lichmerae, *Ornithocheyletia* 109
lieni, *Caudacheles* 72
ligyscutatus, *Bak* 71
limnodromi, *Cheletopsis* 79
lindquisti, *Cheletomimus* (*Hemicheyletia*) 30
linsdalei, *Cheyletus* 44
lonchurae, *Neocheyletiella* 19
lonchurae, *Ornithocheyletia* 109
longipalpus, *Cheyletus* 57
longipes, *Cheyletus* 77
longisetosa, *Metacheyletia* 103
longissimus, *Teinocheylus* 111
loricata, *Cheyletia* (*Eucheyla*) 94
loricata, *Neoeucheyla* 94
lukoschusi, *Ornithocheyletia* 109
lukoschusi, *Promuricheyla* 96
macrocherus, *Cheyletus* 47
macrocorneus, *Chiapacheylus* (sp. inquir.) 82
macrocorneus, *Neoeucheyla* 94
macroflabellata, *Columbicheyla* 82
macronycha, *Cheyletiella* 19
macronycha, *Neocheyletiella* 19
macronychus, *Cheyletus* 19
mafekingensis, *Cheyletus* 44
magnanima, *Cheletopsis* 79
major, *Cheletopsis* 85
major, *Eucheletopsis* 85
major, *Cheyletus* 85
makilingensis, *Cheletomimus* (*Hemicheyletia*) 30
makilingensis, *Eutogenes* 86
malaccensis, *Cheletes* 44

- malaccensis*, *Cheyletus* 44
malayensis, *Cheyletus* 45
malayi, *Hylopecheyla* 89
mariae, *Cheletopsis* 80
marshalli, *Acarocheyla* 91
marshalli, *Cheletophyes* 91
marshalli, *Mexeches* 91
maysa, *Cunliffella* 83
maysa, *Neoeucheyla* 83
mbomba, *Cheletophyes* 39
media, *Neochyletiella* 19
megaphallos, *Neochyletiella* 20
megaphallos, *Ornithocheyla* 20
meihuashanense, *Cheletogenes* 74
mendicus, *Neochelacheles* 69
mercedesae, *Ker* 54
mericourti, *Acaropsis* (= *Acaropsellina docta*?)
Metacheletoides 90
Metacheyletia 103
Metachyletiinae 102
messersmithi, *Neochelacheles* 69
Mexeches 90
mexicana, *Cheyletiella* 16
mexicana, *Hemicheyletia* 30
mexicana, *Hoffmannita* 89
mexicanus, *Cheletomimus* 30
mianiensis, *Cheyletus* 44
michalskii, *Chelacheles* 67
micidus, *Bak* 71
Microcheyla 92
microrhyncha, *Cheletiella* 20
microrhyncha, *Cheyletiella* 20
milesi, *Chelacaropsis* 73
milesi, *Cheletonata* 73
microrhyncha, *Neochyletiella* 20
minuta, *Neoeucheyla* 94
minutus, *Cheletomimus* (sp. inquir.) 37
mirabilis, *Cheyletia* 89
mirabilis, *Hypopicheyla* 89
mironovi, *Ornithocheyletia* 109
missoni, *Cheyletus* 45
monosetosus, *Cheletogenes* 74
montandoni, *Cheletophanes* 37
montandoni, *Cheyletus* 37
moorei, *Chelacaropsis* 73
morii, *Hemicheyletia* 32
morinus, *Cheyletus* 45
mortelmansi, *Cheyletus* 42
mu, *Nodele* 57
mumai, *Cunliffella* 83
mumai, *Neoeucheyla* 83
mungeri, *Euchyletia* 41
Muricheyla 93
Myrmicocheyla 88
nadchatrami, *Bak* 72
nanchangensis, *Acaropsella* 62
nanchangensis, *Acaropsellina* 62
nanfengensis, *Grallacheles* 88
narashinoensis, *Eutogenes* 86
navicula, *Hoffmannita* 88
nectarinia, *Neochyletiella* 20
Neoacaropsis 68
Neochelacheles 68
Neochelatochytes 56
Neochyletiella 18
Neochyletiellini 104
Neoeucheyla 93
newtoni, *Cheletophyes* (sp. inquir.) 40
newyorkensis, *Cheletomimus* (*Hemicheyletia*) (sp. inquir.) 30
ngaii, *Metacheyletia* 103
nidicola, *Euchyletia* 52
nidicolus, *Cheyletus* 45
Nidocheyletus 56
nigriceps, *Cheyletus* (sp. inquir.) 50
Nihelia 101
Niheliinae 99
Niheliini 99
nindota, *Columbicheyla* 83
nindota, *Euchyletia* 83
nobilis, *Acaropsella* 60
Nodele 56
noernereri, *Cheletes* 80
nörneri, *Cheyletus* 80

- notelaeae, Cheletomimus (Philippicheyla)* 35
notelaeae, Philippicheyla 35
novemdentis, Cheletacarus 22
numidae, Metacheletoides 90
oaklandia, Cheletogenes 96
oaklandia, Prosocheyla 96
obesa, Metacheyletia 103
obrutus, Cheletomorpha 77
occisor, Cheletophyes 39
ochoai, Cheletomimus 25
ochotona, Cheyletiella 17
ochotona, Eucheyletiella 17
Oconnoricheylus 94
omissa, Eucheyletia 52
omissa, Hemicheyletia 30
omissa, Cheletomimus (Hemicheyletia) 30
omissus, Cheletomimus (Hemicheyletia) 30
onoi, Cheletogenes 87
onoi, Eutogenes 87
opacus, Cheletomorpha 77
opsis, Acaropsellina 62
opsis, Acaropsis 62
orbis, Acaropsellina 62
orbis, Acaropsis 62
oregonensis, Eucheyletia 51
orientalis, Cheletomorpha 78
orientalis, Cheletophyes (sp. inquir.) 40
orioli, Ornithocheyletia 109
ornata, Cheyletia 75
ornata, Cunliffella 84
ornata, Neoeucheyla 84
ornatus, Cheletogenes 75
ornatus, Cheyletogenes 75
ornatus, Cheyletus 75
Ornithocheyla 18
Ornithocheyletia 106
Ornithocheyletiinae 103
Ornithocheyletiini 103
oudemansi, Chelonotus 14
oudemansi, Neocheyletiella 20
Oudemansicheyla 95
ozarkensis, Bak 72
ozkani, Microcheyla 92
pagongae, Samsinakia 98
pallasius, Eucheyletiella 17
palmatus, Ker 54
panamensis, Cheletophyes 39
panamensis, Cunliffella 84
panamensis, Eucheyla 84
panamensis, Neoeucheyla 84
panneus, Mexecheles 91
papillifera, Cheyletia 81
Paracaropsis 69
Paracheyletia 57
Paracheyletiella 58
Paramicrocheyla (genus inquir.) 95
paraparvula, Microcheyla 93
parasitivorax, Cheletiella 16
parasitivorax, Cheyletiella 15
parasitivorax, Cheyletus 15
parcus, Cheletomimus 31
parcus, Hemicheyletia 31
parumsetosus, Cheyletus 50
parvula, Microcheyla 93
patagiatus, Cheyletus 50
Pavlovskicheyla 58
pavlovskyi, Eucheyletia 52
pavlovskyi, Bothrocheyla 14
pavlovskyi, Neoeucheyla 14
payatus, Bak 72
peregrinus, Cheletophanes 37
peritremaculatus, Chelacheles 67
petiginis, Cheletogenes 75
phantosis, Cheyletus 44
philippicana, Pavlovskicheyla 58
Philippicheyla 34
philippinensis, Acaropsellina 62
philippinensis, Acaropsis 62
philippinensis, Cheletophyes 57
philippinensis, Neochelotophyes 57
philippinensis, Cheyletus 45
philippinensis, Nodele 57
phylloscopi, Ornithocheyletia 110
Picocheyletus 95

- pilosa*, *Cheletonella* 24
pinguis, *Cheletiella* 110
pinguis, *Cheyletiella* 110
pinguis, *Neochyletiella* 110
pinguis, *Ornithocheyletia* 110
pinicola, *Eutogenes* 87
pintoriensis, *Ker* 55
pittae, *Neochyletiella* 20
platessa, *Acaropsellina* 63
platessa, *Acaropsis* 63
platydemae, *Pavlovskicheyla* 58
ploceus, *Cheletacarus* 22
ploceus, *Neoeucheyla* 94
pluridens, *Cheyletus* 46
poicephali, *Ornithocheyletia psittaci* 110
Polycheyletus 84
polylepis, *Dubininiola* 85
polymorphus, *Cheyletus* 44
porta, *Acaropsellina* 63
porta, *Acaropsis* 63
praedabundus, *Cheyletus* 47
prasadi, *Alliea* 70
prognae, *Ornithocheyletia* 110
promptus, *Cheletes* 50
promptus, *Cheyletus* 50
Promuricheyla 96
prosobonialis, *Cheletopsis* 80
Prosocheyla 96
pseudomalaccensis, *Cheyletus* 46
psittaci, *Ornithocheyletia* 110
psittaculæ, *Ornithocheyletia* ?
punctata, *Eutogenes* 87
punctatus, *Eutogenes* 87
punctulatus, *Cheyletus* 46
pusillifolium, *Hemicheyletia* 26
pusillinus, *Euchyletiella* 17
pyriformis, *Cheyletia* 57
pyriformis, *Cheyletus* 57
pyriformis, *Paracheyletia* 57
quadrisetatus, *Cheletogenes* 87
quadrisetosus, *Cheletogenes* 87
quadrisetatus, *Eutogenes* 87
queleae, *Neochyletiella* 20
quinta, *Nihelia* 100
quinta, *Crikeron* 100
quintus, *Crikeron* 100
rabiosus, *Cheyletus* [Kazakhstan]?
rafiquiensis, *Cheyletus* 44
rapax, *Cheletes* 50
rapax, *Cheyletus* 50
raptor, *Cheletacarus* 23
rarus, *Cheyletus* 46
ratufi, *Thewkachela* 99
rashtiensis, *Cheyletus* 46
recki, *Paracheyletia* 31
Reckiana 97
reticularis, *Eutogenes* 87
reticulata, *Chelacaropsis* 73
reticulata, *Euchyletia* 59
reticulata, *Hemicheyletia* 31
reticulata, *Zachvatkiniola* 59
rimandoi, *Hoffmannita* 89
ripkai, *Prosocheyla* 96
robertsoni, *Cheyletus* 42
robusta, *Tutacheyla* 59
robustus, *Chelacheles* 67
rohdendorfi, *Acaropsella* 60
rohdendorfi, *Cheyletus* 44
rohdendorfi, *Neocaropsis* 60
rohweri, *Neochyletiella* 21
romerolagi, *Bicheyletiella* 16
romerolagi, *Cheyletiella* 16
rostella, *Hemicheyletia* 31
rostellus, *Cheletomimus* 31
rufus, *Cheyletus* 77
rufus, *Acaropsis* ?
rugosa, *Cheletonella* 23
rugosa, *Cheletophanes* 23
rugosus, *Chelacheles* 23
rugosus, *Cheletacarus* 23
ruttneri, *Cheletophyes* (sp. inquir.) 40
rwandae, *Cheyletus* 46
rwandana, *Chelacaropsis* 73
rynchops, *Cheletopsis* 80

- saccardianus*, *Cheyletus* 75
saevus, *Cheletes* 50
saevus, *Cheyletus* 50
sagacis, *Cheletogenes* 75
salvus, *Cheletomimus* 31
salvus, *Hemicheyletia* 31
samsinaki, *Paracheyletia* 57
Samsinakia 98
sanctaelenae, *Bak* 72
scaber, *Cheletogenes* 75
schmidtmani, *Acaropsella* 60
schneideri, *Cheletes* 47
schneideri, *Cheyletus* 46
scitula, *Hemicheyletia* 27
Sciurocheyla 101
scutellata, *Andrecheyla* 32
scutellata, *Cheyletia* 32
scutellata, *Hemicheyletia* 32
scutellata, *Paracheyletia* 32
scutellatus, *Cheletomimus* 32
selenorhynchus, *Chelonotus* 14
semenovi, *Cheletophyes* 58
semenovi, *Pavlovskicheyla* 58
seminivorus, *Cheyletus* 42 or 77
seminole, *Chelacheles* 68
serrulus, *Cheletomimus* (*Hemicheyletia*) 32
serrula, *Hemicheyletia* 32
shaziai, *Acaropsella* 60
sheikhupuraensis, *Acaropsellina* 63
sheikhupuraensis, *Acaropsis* 63
shendei, *Cheletophyes* (sp. inquir.) 40
shiva, *Mexeches* 92
shorkotiensis, *Acaropsellina* 63
shorkotiensis, *Acaropsis* 63
sialcotensis, *Cheletomimus* 37
sibirica, *Eucheyletia* 52
sicista, *Muricheyla* 93
sigilla, *Acaropsellina* 63
sigilla, *Acaropsis* 63
simplex, *Nodele* 56
sinensis, *Eucheyletia* 53
sinensis, *Prosocheyla* 97
siva, *Neocheyletiella* 21
smallwoodae, *Neocheyletiella* 21
Smileycheles 101
smileyi, *Ornithocheyletia* 111
sodalis, *Acaropsellina* 63
sodalis, *Acaropsis* 63
sollers, *Acaropsellina* 63
sollers, *Acaropsis* 64
spatiosus, *Cheyletus* 48
speciosus, *Oconnoricheylus* 94
spinula, *Paramicrocheyla* 95
squamosa, *Cheyletia* 82
squamosa, *Nihelia* 102
squamosa, *Sciurocheyla* 102
squamosa, *Microcheyla* 93
squamosus, *Acarus* 102
squamosus, *Cheyletus* 81
squamosus, *Hemicheyletus* 102
squamosus, *Sciurocheyla* 102
stigmaeoides, *Chelachecaropsis* 68
stigmaeoides, *Chelacheles* 67
strabismus, *Chelacheles* 68
strandtmanni, *Cheyletiella* 16
strenuus, *Cheletes* (= *eruditus* ?) 42
strenuus, *Cheyletus* 42
striola, *Chelacheles* 68
stroti, *Paracaropsis* 69
subitus, *Acaropsellina* 64
subitus, *Acaropsis* 64
subquadrata, *Bakericheyla* 106
subquadrata, *Neocheyletiella* 106
summersi, *Acaropsellina* 64
summersi, *Acaropsis* 64
summersi, *Aegyptocheyla* 69
superba, *Nodele* 57
takahashii, *Cheyletiella* 18
takahashii, *Eucheyletia* 18
takahashii, *Eucheyletia* 18
tanosis, *Hemicheyletia* 32
tanosis, *Cheletomimus* 32
tanzaniensis, *Eucheyletia* 47
tanzaniensis, *Cheyletus* 47

- tatami*, *Cheletomorpha* 77
taurica, *Eucheyletia* 51
Teinocheyletinae 111
Teinocheyletini 111
Teinocheylus 111
telma, *Cheletomimus* 37
temoak, *Chelacheles* 68
tenerum, *Cheletomorpha* 78
tenuipilis, *Cheyletus* 48
teretis, *Laeliocheyletia* 55
terrestris, *Chelacaropsis* 73
thailandensis, *Mexeches* 92
thailandicus, *Crikeron* 100
thalasseus, *Cheletopsis* 80
theodoridis, *Cheletophyes* 98
theodoridis, *Samsinakia* 98
Thewkachela 99
thomasi, *Chelacheles* 68
Thryonomycheyla 101
tilae, *Samsinakia* 99
torridae, *Cheletophyes* 39
transvaalica, *Bakericheyla* 106
transvaalica, *Neoecheyletiella* 106
transversa, *Cheletomimus* (*Hemicheyletia*) 32
traubi, *Cheletogenes* 97
traubi, *Prosocheyla* 97
travisi, *Acaropsis* 69
travisi, *Paracaropsis* 69
trema, *Cheletomimus* (sp. inquir.) 37
trepsis, *Cheletomimus* 32
trepsis, *Hemicheyletia* 32
tricholaemae, *Picocheyletus* 95
trigintaduae, *Caudacheles* 72
trilobitus, *Samsinakia* 99
trogodytes, *Kenyacheylus* 54
tropica, *Cheyletia* 33
tropica, *Hemicheyletia* 33
tropicus, *Cheletomimus* (*Hemicheyletia*) 33
trouessarti, *Cheletes* 47
trouessarti, *Cheyletus* 47
truculentus, *Cheyletus* 47
truncatus, *Bak* 72
trux, *Cheyletus* 47
tuberculicoxa, *Cunliffella* 84
tuberculicoxa, *Neoeucheyla* 84
tumidus, *Hemicheyletia* 26
turdi, *Ornithocheyletia* 111
Tutacheyla 58
tutela, *Cheyletus* 48
typhosa, *Bothrocheyla* 15
typhosa, *Neoeucheyla* 15
tyrannus, *Cheletosoma* 81
tyrophagus, *Acaropsellina* 64
tyrophagus, *Acaropsis* 64
ugandanus, *Cheyletus* 44
uichancoi, *Cheletomimus* 33
uichancoi, *Hemicheyletia* 33
umbo, *Cheletomimus* 33
umbo, *Hemicheyletia* 33
uncinata, *Cheletoides* 76
uncinatus, *Cheletoides* 76
uncinatus, *Cheyletus* 76
ungulina, *Paramicrocheyla* 95
unicus, *Acaropsellina* 64
unicus, *Acaropsis* 64
variegata, *Cunliffella* 84
variformis, *Eucheyletia* 53
venator, *Cheletes* 48
venator, *Cheyletus* 48
venustissima, *Cheletomorpha* 77
venustissimus, *Cheyletus* 77
venustus, *Acaropsellina* 64
venustus, *Acaropsis* 64
vescus, *Cheletomimus* 33
vescus, *Hemicheyletia* 33
vespae, *Cheletophyes* 39
vespertilionis, *Cheletonella* 24
vestergaardi, *Neoecheyletiella* 19
vicinus, *Eutogenes* 87
vichii, *Atarsacheylus* 65
villosa, *Prosocheyla* 97
virginiensis, *Acarocheyla* 92
virginiensis, *Cheyletia* 92
virginiensis, *Paracheyletia* 92

virginiensis, *Mexeches* 92
vitrus, *Acaropsellina* 64
vitrus, *Acaropsis* 64
vitzthumi, *Cheletophyes* 39
vivatus, *Cheyletus* 48
vivus, *Cheletomimus* 33
vivus, *Hemicheyletia* 33
volgini, *Acaropsella* 60
volgini, *Cheletomimus* 33
volgini, *Cheyletus* 48
volgini, *Cryptocheyla* 99
volgini, *Dendrocheyla* 33
volgini, *Hemicheyletia* 33
volgini, *Neacaropsis* 60
volgini, *Ornithocheyletia* 111
volgini, *Paracheyletia* 33
volgini, *Paracheyletiella* 58
volgini, *Samsinakia* 99
votandinii, *Mexeches* 92
vulgatus, *Cheletogenes* 75
vorax, *Cheletes* 44
vorax, *Cheyletus* 44
wahndoensis, *Cheyletus* 44
waitei, *Cheletogenes* 75

walii, *Acaropsella* 60
wauthyi, *Ornithocheyletia* 111
wellsi, *Cheletomimus* (*Hemicheyletia*) 34
wellsi, *Cheyletia* 34
wellsi, *Dendrocheyla* 34
wellsi, *Hemicheyletia* 34
wellsi, *Paracheyletia* 34
wellsina, *Hemicheyletia* 34
wellsina, *Paracheyletia* 34
wellsina, *Cheletomimus* (*Hemicheyletia*) 34
wellsinus, *Cheletomimus* (*Hemicheyletia*) 34
whartoni, *Cunliffella* 84
whartoni, *Eucheyla* 84
whartoni, *Lanceacheyla* 55
whartoni, *Neoeucheyla* 58
womersleyi, *Eucheyletia* 53
woodroffei, *Cheyletus* 47
woolfordi, *Paracheyletia* 88
xylocopae, *Cheletophyes* 39
yasguri, *Cheyletiella* 16
Zachvatkiniola 59
zaheri, *Cheyletus* 42
zamia, *Cheletomimus* (sp. inquir.) 37
zumpti, *Cheyletus* 48

Distribution of Cheyletidae

EUROPE

- Armenia** (Volgin, 1969) – *Cheletogenes ornatus*, *Cheletomimus* (*Hemicheyletia*) *bregetovae*, *Cheletomorpha lepidopterorum*, *Cheyletus malaccensis* [syn. *rohndendorfi*]
Austria (Franz, 1954; Willmann, 1951) – *Cheyletia squamosa*, *Cheyletus eruditus*
Azerbaijan (Zachvatkin, 1949; Halilova, 1967; Volgin, 1963, 1969, 1978; Abdullaeva, 1978; Abdullaeva & Aslanov, 1989; Aslanov & Mehtieva, 1992) – *Cheyletus eruditus*, *Ch. malaccensis* (= *polymorphus*, *rohndendorfi*), *Ch. carnifex* [syn. *aversor*], *Cheletomorpha lepidopterorum*, *Lepidocheyla caucasica*
Belarus (Efremova & Bochkov, 1990) – *Acaropsellina sollers*, *Cheyletus eruditus*, *Ch. trux*, *Eucheyletia bothrophila*, *E. sibirica*, *Neocheyletiella microrhyncha* (= *oudemansi*)
Belgium (Dufait, 1968; André, 1975; Fain & Bochkov, 2001) – *Cheyletiella* (?) *parasitivorax*, *Eucheyletia flabellifera*, *Cheletonella vespertilionis*, *Cheletomorpha lepidopterorum*, *Paracheyletia pyriformis*

- Bulgaria** (Volgin, 1955, 1958, 1964a, 1964b, 1969; Zankov, 1955; Kolebinova, 1967; Sosnina et al., 1969; Nachev & Trenchev, 1987; Beron, 2011; Trencheva & Trenchev, 2018) – *Cheletogenes ornatus*, *Cheletopsis norneri*, *Cheyletus carnifex* [syn. *aversor*], *Ch. malaccensis* (= *polymorphus*), *Eucheyletia flabellifera*, *Eutogenes frater*, *Cheletomimus* (*Hemicheyletia*) *bregetovae*, *Neoeucheyla bulgarica*, *Ornithocheyletia canadensis*
- Croatia** (Pagliarini, 1979) – *Cheyletus eruditus*
- Czech Rep.** (Samšinak, 1956; Volgin, 1966; Fain & Bochkov, 2001; Lukáš et al., 2007) – *Chelacheles michalskii*, *Cheyletus carnifex* (= *aversor*), *Ch. eruditus*, *Ch. malaccensis*, *Ch. trouessarti*, *Paracaropsis strofi*, *Paracheyletia pyriformis* (= *samsinaki*),
- “Czechoslovakia”** (Žďárková, 1979) – *Acaropsellina docta*, *Cheletomorpha lepidopterorum*, *C. hendersoni*, *Cheyletia papillifera*, *Cheyletus carnifex* (= *aversor*), *C. eruditus*, *C. malaccensis*, *C. trouessarti*, *Grallacheles bakeri*, *Ker bakeri*
- Denmark** (Haarløv & Mørch, 1975; Haarløv, 1957; Enghoff, 1988; Hallas, 1978) – *Cheletomorpha lepidopterorum*, *Cheyletiella parasitivorax*, *Ch. yasguri*, *Cheyletus eruditus*, *Ch. trouessarti*, *Ornithocheyletia hallae*
- Estonia** (Volgin, 1964) – *Cunliffella whartoni* (= *tuberculicoxa*)
- Finland** (Harju, Husman, Merikoski & Pennanen, 2006) – *Mexeches virginensis*
- France (contin.)** (Megnin, 1883; Guilhon & Marchand, 1972, 1974) – *Cheletomorpha lepidopterorum*, *Cheyletiella blakei*, *Ch. parasitivorax*, *Ch. yasguri*, *Neochyletiella microrhyncha*
- Georgia** (Volgin, 1963; Rekk, 1976; Fain, Bochkov & Corpuz-Raros, 2002) – *Cheletogenes ornatus*, *Cheletomimus* (*Ch.*) *berlesei*, *Cheletomorpha lepidopterorum*, *Cheletonella caucasica*, *Cheyletus eruditus*, *Ch. malaccensis* [syn. *rohdendorfi*], *Ch. trux*, *Eucheyletia reticulata*
- Germany** (Heller, 1880; Haller, 1882; Poppe, 1909; Rack, 1971; Fain & Bochkov, 2001) – *Cheletoides uncinatus*, *Cheletomorpha lepidopterorum*, *Cheletopsis noernerii*, *Cheyletiella yazguri*, *Cheyletus eruditus*, *Eucheyletia flabellifera*, *Ornithocheyletia pinguis*, *Paracheyletia pyriformis*
- Great Britain** (Michael, 1878; Hull, 1918; Turk, 1946, 1953; Evans, 1954; Griffiths, 1960; Beesley, 1963; Walton, 1974; Hughes, 1976; Jeffrey, 1976, 1978, 1979, 1980; Fain & Bochkov, 2001; Fain, Bochkov & Corpuz-Raros, 2002; Baker & Craven, 2003) – *Acaropsellina docta*, *A. sollers*, *Cheletogenes ornatus*, *Cheletomimus* (*Hemicheyletia*) *berlesei*, *Cheletomimus greenwoodi*, *Cheletomorpha lepidopterorum*, *Cheyletiella parasitivorax*, *Ch. yasguri*, *Cheyletus eruditus*, *Ch. trouessarti* (= *Ch. woodroffei*), *Eucheyletia flabellifera*, *Ornithocheyletia hallae*
- Greece** (Papaioannou-Souliotis, 1994; Eliopoulos & Papadoulis, 2001; Athanassiou et al., 2003; Palyvos & Emmanouel, 2006; Palyvos, Emmanouel & Saitanis, 2008) – *Acaropsellina docta*, *A. sollers*, *Chelacheles hellenicus*, *Cheletogenes berlesei* (= *ornatus*), *Cheletomimus duosetosus*, *Cheletomorpha lepidopterorum*, *Cheyletiella parasitivorax*, *Cheyletus aversor*, *Ch. cacahuamilpaensis*, *Ch. eruditus*, *Ch. malaccensis* (= *Ch. polymorphus*), *Ch. trouessarti*, *Ch. trux* (= *tenuipilis*),
- Holland** (Oudemans, 1903; Smiley, 1970; Bronswijk et al., 1972; Volgin, 1987; Fain & Bochkov, 2001) – *Acaropsellina docta*, *Bakericheyla chanayi*, *Cheletomorpha lepidop-*

terorum, *Cheyletiella parasitivorax*, *Ch. yasguri*, *Cheyletus eruditus*, *Ch. trouessarti*, *Eucheyletia flabellifera*, *Ornithocheyletia lukoschusi*

Hungary (Dudich, Kolosváry & Szalay, 1940; Komlowszky, 1980, 1984; Lucza, Ripka & Saly, 1996; Ripka, Fain & Bolland, 1999; Fain & Bochkov, 2001) – *Acaropsellina docta*, *Cheletacarus raptor*, *Cheletogenes ornatus*, *Cheyletus aversor*, *Ch. eruditus*, *Ch. trouessarti*, *Prosocheyla ripkai*, *P. traubi*

Ireland (Baker, 1969; Dodd, 1970) – *Cheyletiella yasguri*

Iceland (Sellnick, 1940) – *Cheyletus eruditus*

Italy (contin.) (Berlese, 1886, 1889; Oudemans, 1904; Starkoff & Starkoff, 1950; Volgin, 1987;) – *Acaropsellina docta*, *Apodicheles heteropalpus*, *Cheletogenes ornatus*, *Cheletomimus* (*Ch.*) *berlesei*, *Cheyletiella parasitivorax*, *Cheletomorpha lepidopterorum* (= *Ch. venustissima*), *Cheyletus eruditus*, *Ch. schneideri*, *Ornithocheyletia pinguis*

Sicily (Berlese, 1913) – *Neoeucheyletia loricata*

Latvia (Petrova & Salmane, 2000; Petrova, Salmane & Čudare, 2004) – *Cheletomorpha lepidopterorum*

Malta (Pfliegler et al., 2017) – *Cheletomorpha lepidopterorum*

Moldavia (Volgin, 1961) – *Cheletacarus raptor*

Norway (Thor, 1912; Austad, 1968; Dotterud, Korsgaard & Falk, 1995) – *Cheyletiella parasitivorax*, *Cheletomorpha lepidopterorum* (= *Ch. venustissima*), *Cheyletus eruditus*

Poland (Willmann, 1949; Wegner & Przyborowski, 1958; Haitlinger, 1982, 2000; Kivganov & Bochkov, 1994; Haitlinger & Jankowska, 2005; Solarz, 1989; Skoracki, Bochkov & Sikora, 2004) – *Acaropsis docta*, *Cheletophyes aurorae*, *Cheletopsis daberti*, *Cheyletia papillifera*, *Cheyletus eruditus*, *Ch. trouessarti*, *Eucheyletia flabellifera*, *Ornithocheyletia dubinini*

Portugal (cont.) (Baker, 1949, 1958, Bochkov & OConnor, 2004) – *Chelacheles strabismus*, *Cheletomorpha lepidopterorum*, *Cheyletus eruditus*

Madeira (Willmann, 1939) – *Cheyletus eruditus*

Russia (all, continent.) (Rohdendorf, 1940; Volgin, 1962, 1964, 1966, 1969; Fain, 1972; Hughes, 1976; Bochkov, Mironov & Gorgol, 1994; Bochkov & Mironov, 1999; Fain & Bochkov, 2001; Chernichko & Kivganov, 2013; Bochkov & Abramov, 2016; Diumina & Abramov, 2018; Khaustov et al., 2019; Khaustov, 2021) – *Acaropsella kulagini*, *Acaropsellina sollers*, *Chelacheles apanaskevichi*, *Cheletacarus raptor*, *Cheletogenes ornatus*, *Cheletomimus berlesei*, *Ch. lindquisti*, *Ch. recki*, *Cheletomorpha lepidopterorum*, *Cheletopsis impavida*, *Cheyletia aradiphila*, *Cheyletiella blakei*, *Ch. parasitivorax*, *Cheyletus eruditus*, *Ch. malaccensis* (= *polymorphus*), *Ch. rashtiensis*, *Ch. trouessarti* (= *truculentus* Volgin), *Ch. volgini*, *Cunliffella tuberculicoxa*, *Eucheyletia eoa*, *E. harpyia*, *E. sibirica*, *Eucheyletiella daurica*, *E. pallasius*, *E. takahasii*, *Eutogenes frater*, *Mexcheles virginensis*, *Muricheyla sicista*, *Neoacaropsis granulatus*, *Neoecheyletiella microrhyncha*, *Ornithocheyletia phylloscopi*, *Paracheyletia pyriformis*

Crimea (Volgin, 1963a; Kuznetsov, 1977; Bochkov, Khaustov & Kuznetsov, 1999; Fain & Bochkov, 2018) – *Chelacheles alexandrinus*, *Cheletopsis impavida*, *Cheyletus cacahua-*

milpensis, *Eucheyletia flabellifera* (= *taurica*), *Mictrocheyla granigera*, *Paracheyletia volgini*, *Prosochela villosa*

Slovakia (Žďárková, 1979) – see Czechoslovakia

Spain (cont.) (Mihelcic, 1958; Zapatero Ramos et al., 1982; Cordero del Campillo et al., 1994) – *Cheletonella vespertilionis*, *Cheyletus eruditus*

Sweden (Boström et al., 1997) – Cheyletidae (Gotland I.)

Switzerland (Schweizer, 1922, 1951; Schweizer & Bader, 1963; Mumcuoglu, 1976) – *Cheletomorpha lepidopterorum*, *Cheyletus eruditus*, *Ch. trouessarti*, *Eucheyletia flabellifera*

Turkey (all) (Özer et al., 1986, 1989; Özkan, Ayyıldız & Soysal, 1988; Koç & Ayyıldız, 1995, 1996; Koç, 1998; Fain & Bochkov, 2001; Dogan & Ayyıldız, 2002, 2004; Bayram & Çobanoğlu, 2006; Bilal, 2012; Akpınar, Çobanoğlu & Öğreten, 2017; Çobanoğlu, Cilbircioğlu & Zabłudovskaya, 2020; Doğan S. et al., 2019; Doğan, Doğan & Erman, 2019) – *Acaropsella volgini*, *Bothrocheyla pavlovskyi*, *Cheletomimus (Hemicheyletia) bregetovae*, *Ch. (H.) wellsii*, *Cheletomorpha lepidopterorum*, *Cheyletus eruditus*, *Ch. malaccensis*, *Eutogenes frater*, *Hypopicheyla elongata*, *Microcheyla granifera* (= *ozkani*), *Ornithocheyletia hallae*

Ukraine (Volgin, 1969; Vysotskaja [= Vysotzkaja], 1974, 1977; Kuznetsov, 1977; Kivganov & Bochkov, 1994; Bochkov & Khaustov, 1999; Bochkov, Khaustov & Kuznetsov, 1999; Fain & Bochkov, 2001; Chernichko & Kivganov, 2013) – *Bothrocheyla pavlovskyi*, *Chelacaropsis moorei*, *Chelacheles alexandrinus*, *Ch. bacchusi*, *Cheletopsis charadrii*, *Ch. daberti*, *Ch. ferruginea*, *Cheyletus cacahuamilpensis* [syn. *baloghi*], *Ch. eruditus*, *Ch. trux*, *Eucheyletia bishoppi* [= *asiatica*], *E. bothrophila*, *E. taurica*, *Microcheyla granifera*, *Nodele superba*, *Paracheyletiella volgini*, *Prosochela villosa*

“Yugoslavia” (Wikerhauser & Pinter, 1987) – *Cheyletiella blakei*

AFRICA

Algeria (Louadi & Robaux, 1992; Fain & Bochkov, 2001; Fain, Bochkov & Corpuz-Raros, 2002; Fain, 2003) – *Chelacheles strabismus* (= *algericus*), *Cheletogenes ornatus*, *Cheletomimus (Hemicheyletia) bakeri*, *Cheletonella vespertilionis*, *Cheyletus cacahuamilpensis*, *Ch. malaccensis*, *Ch. trux* (sub *tenuipilis*), *Eutogenes frater*, *Neoeucheylea bochkovi*, *Paracheyletia pyriformis*

Angola (Fain & Bochkov, 2001, 2002) – *Cheletomimus (Ch.) berleseii*, *Cheletophyes eckerti*, *Nihelia curvidens*, *Sciurocheyla angolensis*

Botswana (Lawrence, 1959) – *Neoecheyletiella megaphallos*

Burkina Faso (Bochkov, Mironov & OConnor, 2006) – *Galagocheles lawrencei*

Burundi (Fain & Bochkov, 2001; Bochkov & OConnor, 2004) – *Chelacaropsis apus*, *Sciurocheyla funisciurus*, *Bakericheyla benoitii*, *Cheletophyes torridae*, *Sciurocheyla [Smileycheles] camerounensis*

Cameroon (Fain, Bochkov & Corpuz-Raros, 2002) – *Cheletomimus wellsina*

- Congo DR** (Cunliffe, 1962; Fain, 1972; Fain & Bochkov, 2001; Fain, Bochkov & Corpuz-Raros, 2002; Klimov, Bochkov & OConnor, 2006; Bochkov, Mironov & OConnor, 2006) – *Acaropsella kinshasensis*, *Bak deleoni*, *Cheletomimus (Hemicheyletia) bakeri*, *Ch. (H.) congensis*, *Cheletomorpha bakeri*, *Cheletophyes eckerti*, *Ch. mbomba*, *Cheyletiella parasitivorax* (= *katangae*), *Cheyletus funisciuri*, *Ch. kivuensis*, *Galagocheles lawrencei*, *G. lemuricola*, *Grallacheles bakeri*, *Ker afrotropicalis*, *Samsinakia volgini*, *Sciurocheylea congolensis*
- Egypt** (El Badry & Zaher, 1960; Zaher & El Badry, 1962; Zaher & Soliman, 1966, 1967; Wafa & Soliman, 1968; Elbadry, 1969; Rasmi et al., 1972; Yousef & Issa, 1972; Attiah, 1973; El Tawab & Yousef, 1975; Soliman, 1975, 1977; Yousef, 1975, 1979; Hassan & Gomaa, 1982; Yousef, Zaher & Kandil, 1979; Saleh et al., 1985, 1986; Fain & Bochkov, 2001; Negm & Mesbah, 2014; Metwally et al., 2016) – *Acaropsella aegyptiaca*, *Acaropsellina docta*, *Aegyptocheylea summersi*, *Chelacaropsis moorei*, *Ch. reticulata*, *Chelacheles alexandrinus*, *Ch. bakeri*, *Cheletogenes ornatus*, *Cheletomorpha lepidopterorum*, *Cheyletus egypticus*, *Ch. eruditus*, *Ch. malaccensis* (incl. *fortis*), *Eutogenes frater* (= *africanus*), *E. punctata*, *Ker bakeri*, *Neoeucheyla macrocorneus*, *N. ornata*, *Nodele calamondin* [= *simplex*]; **Genus incertae sedis**: *Aegyptocheylea*; **Sp. inquirenda**: *Cheletomimus minutus*
- Gabon** (Bochkov & OConnor, 2003) – *Picocheyletus tricholaemae*
- Kenya** (Fain & Bochkov, 2001) – *Kenyacheylus troglodytes*, *Chelacaropsis kenyensis*
- Madagascar** (Samsinak, 1959; Volgin, 1965; Fain, 1982) – *Cheyletus legendrei*; *Samsinakia theodoridis*
- Morocco** (Cooreman, 1951; Fain & Lukoschus, 1981) – *Cheletogenes ornatus*, *Cheyletus punctulatus*
- Mozambique** (Rodrigues, 1967a, 1967b, 1968; Bochkov & Ochoa, 2005) – *Neocheyletiella ardeola*
- Nigeria** (George et al., 1992) – *Cheyletiella parasitivorax*
- Rwanda** (Fain, 1972; Fain & Bochkov, 2001, 2002a; Fain, Bochkov & Corpuz-Raros, 2002; Bochkov, Mironov & OConnor, 2006) – *Apodicheles apus*, *Bakericheyla transvaalica*, *Chelacaropsis apus*, *Ch. rwandana*, *Cheletomimus wellsina*, *Cheletomorpha bakeri*, *Ch. lepidopterorum*, *Cheyletus funisciuri*, *Ch. tanzaniensis*, *Galagocheles lawrencei*, *G. lemuricola*, *Ker afrotropicalis*, *Neocheyletiella lonchurae*, *N. megaphallos*, *N. microhyncha*, *N. queleae*,
- Sainte-Helene** (Summers & Price, 1970) –
- Senegal** (Gueye-N'Diaye & Fain, 1987) – *Cheyletus malaccensis*
- Somalia** (Fain, 1974) – *Teinocheylus longissimus*
- South Africa** (Lawrence, 1948, 1954; Meyer & Ryke, 1960; Fain, 1982; Meyer, Loots, van Pletzen, Engelbrecht & Walker, 1973; Meyer, 1988; Fain & Lukoschus, 1981; Olivier & Theron, 1988, 1989a, 1989b; Lindholm, Venter & Ueckermann, 1998; Bochkov & OConnor, 2004) – *Apodicheles cypsiurus*, *Bakericheyla africana*, *B. faini*, *B. subquadrata*, *B. transvaalica*, *Chelacheles aigamuxa*, *Cheletacarus novemdentis*, *Cheyletiella*

parasitivorax, *Cheyletus cacahuamilpensis*, *Ch. mafekingensis*, *Ch. gerbillicola*, *Ch. pseudomalaccensis*, *Eutogenes reticularis*, *Galagocheles lemuricola*, *Microcheyla paraparvula*, *M. squamosa*, *Neocheyletiella megaphallos*, *Nihelia curvidens*, *N. cynictis*, *Paramicrocheyla spinula*, *P. ungulina*, *Prosocheyla (Reckiana) hepburni*

Tanzania (Vitzthum, 1920; Fain, 1972; Haitlinger, 2000; Fain & Bochkov, 2001; Bochkov & OConnor, 2004; Bochkov & Skoracki, 2011) – *Cheletophyes aurorae*, *Cheyletus venator*, *Ch. tanzaniensis*, *Metachyletia ngaii*, *Sciurocheyla camerounensis*

Tunisia (Fain, Gerrits & Lukoschus, 1982) – *Teinocheylus gundii*

Uganda (Lawrence, 1954) – *Cheletomorpha bakeri*, *Cheyletus malaccensis* (= *ugandanus*)

Zambia (Mwase & Baker, 2006) – *Cheyletus* spp.

Zimbabwe (Fain, 1979) – *Bakericheyla transvaalica*, *Cheletoides chirunduensis*

ASIA

Bangladesh (Asmat & Abdul Kader, 1990) – *Cheyletus malaccensis*

Burma (Myanmar) (Summer & Price, 1970) – *Cheyletus malaccensis* (= *fortis*), *Prosocheyla*

China (Volgin, 1963a; Shen, 1975, 1984, 1991; Lung-Shut, 1984; Whitaker, Shen, 1975, 1991; Wang, 1989; Baccus, Cleveland & Gu, 1990; Shen, 1991; Fang Lin, Qian Kaiming & Gao Cheng, 1991; Hu & Hou, 1992; Lin, 1997; Lin & Liu, 1994; Xia, Ye & Zhu, 1997a, 1997b; Xia & Zhu, 1997; Lin & Zhang, 1992, 1997; Lin, Zhang & Yang, 1997, 1998; Xia, Rong & Zhimin, 1997; Lin et al., 2000; Zhu et al., 2000; Fain & Bochkov, 2001; Xia, Liang, Zeng & Zhu, 2004; Xia, 2010) – *Acaropsellina docta*, *A. nanchangensis*, *A. sollers*, *Bak faini*, *Caudacheles trigintaduae*, *Chelacaropsis moorei*, *Ch. bipanus*, *Cheletacarus raptor*, *Chelacheles bipanus*, *Ch. michalskii*, *Ch. striola*, *Cheletogenes meihuashanense*, *Ch. ornatus*, *Cheletomimus (Hemicheyletia) anarbora* (= *Hemicheyletia pusillifolium*), *Ch. bakeri*, *Ch. chui*, *Ch. omissus*, *Ch. wellsi*, *Ch. wellsinus*, *Cheletomorpha lepidopterorum*, *Cheyletiella parasitivorax* (= *dengi*), *Cheyletus carnifex*, *Ch. eruditus*, *Ch. malaccensis*, *Ch. trouessarti*, *Columbicheyla bicicri*, *C. macroflabellata*, *Eucheyletia bishoppi*, *E. flabellifera*, *E. harpyia*, *E. omissa*, *E. sinensis*, *E. variformis*, *Eutogenes quadrisetatus*, *Grallacheles bakeri*, *G. nanfengensis*, *Hoffmannita clavipes* (= *H. navicula*), *Ker palmatus*, *Lepidocheyla gracilis*, *Neoacaropsis granulatus*, *Oudemansicheyla denmarki*, *Prosocheyla sinensis*, *Zachvatkiniola reticulate*. Sp. inquirendae: *Cheletonella juglandis*

India (Baker, 1949; Summers & Price, 1970; Fain, 1972; Nagar & Saxena, 1977; Nagar, 1979; Gupta & Chattopadhyay, 1978; Smiley & Whitaker, 1981; Mathur & Mathur, 1981; Gupta & Paul, 1985, 1992; Putatunda & Kapil, 1988; Gupta, 1991, 2002; Bochkov & Mironov, 1998; Ramaraju & Mohanasundaram, 1999; Fain & Bochkov, 2001, 2002a; Putatunda, Kumar & Banerjee, 2004; Bochkov & Ochoa, 2005; Podder, Gupta & Saha, 2006; Bochkov & Otto, 2010) – *Chelacaropsis moorei*, *Chelacheles indra*, *Cheletophyes deodikari*, *Ch. eckerti*, *Ch. harnaji*, *Ch. haryanaensis*, *Ch. Indiacus* (= *xylocopae*), *Ch. newtoni*, *Ch. orientalis*, *Ch. ruttneri*, *Ch. shendei*, *Cheyletus eruditus*, *Grallacheles indicus*, *Lepidocheyla caucasica* [= *hissariensis*], *Mexeches shiva*, *M. virginiensis*,

Microcheyla bengalensis, *Neocheyletiella athene*, *N. siva*, *Nihelia calcarata*, *Prosocheyla (P.) traubi*, *Samsinakia carabae*, *S. gonocephalum*, *S. trilobitus*; *Neoeucheyla plocus* (**Sp. inquir.**)

Andaman and Nicobar Is. (Gupta & Ghosh, 1980) – *Chelacaropsis moorei*

Indonesia (Berlese, 1913; Domrow, 1960; 1964: 17; Fain, 1972; Thewke, 1980; Haines, 1988; Fain & Bochkov, 2001; Bochkov & Otto, 2010) – *Bak indonesiensis*, *Chelonotus selenirhynchus* [= *Ch. oudemansi* = *Ch. ewingi*], *Cheletophyes apicola*, *Eutogenes quadrisetatus*, *Hylopecheyla bunguranensis*, *Neocheyletiella amandavae*, *Nodele mu*, *Tutacheyla buruensis*

Iran (Vercammen-Grandjean & Rak, 1968; Rak, 1972, 1973; Sepasgozarian, 1978; Kamali, 1990; Faraji & Kamali, 1993; Yazdani & Ebrahimi, 1993; Bochkov & Malikov, 1996; Fathipour, Kamali & Ostovan, 1999; Ardeshtir et al., 2000; Fain & Ardeshtir, 2000; Bochkov, Fain & Ardeshtir, 2001; Fain & Bochkov, 2001; Kamali, Ostovan & Atamehr, 2001; Merhnejad & Ueckermann, 2001; Bochkov, Hakimitabar & Saboori, 2005; Ostovan & Kamali, 1997; Sahraeian et al., 2006; Ardeshtir & Nematollahi, 2008; Namaghi, 2010; Beyzavi & Ostovan, 2011; Doğan, Jalaieian & Kamali, 2011; Modarres, 2012; Pactinat-Saeij, Bagheri & Skvarla, 2017; Ardeshtir, 2017; Salarzehi, Hajizadeh, Hakimitabar & Ueckermann, 2018; Salarzehi, Hajizadeh & Ueckermann, 2018, 2019) – *Acaropsella kulagini*, *A. volgini*, *Acaropsellina docta*, *A. sollers*, *Bak iranica*, *Caudacheles khayae*, *C. lienii*, *Chelacheles michalskii*, *Ch. strabismus*, *Cheletogenes ornatus*, *Ch. scaber*, *Cheletomimus (Ch.) berlesei*, *Ch. binus*, *Ch. (Hemicheyletia) bakeri*, *Ch. (H.) congensis*, *Ch. (H.) vesus*, *Ch. (H.) wellsi*, *Ch. parasitivorax*, *Ch. yasguri*, *Cheyletus bidentatus*, *Ch. cacahuamilpensis*, *Ch. carnifex* (= *Ch. acarophagus* = *allactaga* = *zacheri*), *Ch. eruditus*, *Cheyletus kuznetzovi*, *Ch. malayensis*, *Ch. malaccensis*, *Ch. rashtiensis*, *Ch. trouessarti*, *Cheletomorpha lepidopterorum*, *Cheletonella iraniensis*, *C. vespertilionis*, *Cunliffella bulgarica*, *C. variegata*, *Eucheyletiella faini*, *E. flabellifera*, *Eutogenes frater*, *Hypopicheyla elongata*, *H. mirabilis*, *Lepidocheyla gracilis*, *Microcheyla parvula*, *Neoeucheyla iranica*, *Nodele calamondin*, *Paraheyletia pyriformis*, *Samsinakia trilobites*, *Zachvatkiniola reticulata*

Iraq (Rizk et al., 1979) – *Acaropsellina docta*, *A. sollers*

Israel and Palestine (Shulov, 1957; Cwilich & Hadani, 1965; Costa, 1961: 259; 1967: 109; Gerson, 1967, 1968; Feldman-Musham et al., 1985; Fain & Bochkov, 2001; Fain, Bochkov & Corpuz-Raros, 2002) – *Acaropsella volgini*, *Caudacheles khayae*, *Cheletogenes ornatus*, *Cheletomimus (Ch.) berlesei*, *Cheletomimus (Hemicheyletia) bakeri*, *Cheletomorpha lepidopterorum*, *Ch. tatami*, *Cheyletiella* sp., *Cheyletus cacahuamilpensis*, *Ch. eruditus*, *Ch. malaccensis*, *Ch. trux* (= *tenuipilis*), *Eutogenes citri*, *Lepidocheyla gracilis*, *Neocaropsis volgini*

Japan (Sasa & Kono, 1951; Tanaka, 1953; Hara, 1955; Hara & Hanada, 1960; Ehara, 1962; Shiba, 1969a, 1969b; Summers & Price, 1970; McClure, Ratanaworadhan et al. 1973; Kumada et al., 1978; Razzaq, Shiraishi, Manabe & Ohbayashi, 2001) – *Chelacaropsis moorei*, *Cheletomorpha lepidopterorum* [*Cheletophyes tatami* Hara], *Cheyletus er-*

uditus, *Ch. malaccensis* (= *fortis*), *Ch. rarus*, *Cheletomimus* (*Hemicheyletia*) *bakeri*, *Ch. (H.) wellsii*, *Eucheylea favosa*, *Eucheyletiella takahashii*, *Eutogenes narashinoensis*, *Neoecheyletiella* sp., *Zachvatkiniola reticulata*

Kazakhstan (Kuzin, 1940; Volgin, 1955, 1963; Bochkov & Mironov, 1999) – *Acaropsellina sollers*, *Cheyletus trouessarti* [sub *Ch. praedabundus* Kuzin], [*Cheyletus rabiosus*], *Eucheyletia asiatica*, *E. pavlovskyi*, *Eucheyletiella pallasianus*

Korea (Nord and South) (McClure, Elliott, Ratanaworadhan et al. 1973; Shin, 1996; Sang-Hun Kim et al., 2008) – *Cheyletiella parasitivorax*, *Ch. yasguri*, *Neoecheyletiella* sp.

Kyrgyzstan (Volgin, 1969; Dubinina & Bochkov, 1989; Chirov & Mironov, 1998; Chirov & Bochkov, 1998) – *Cheyletus carnifex*, *Cunliffella tuberculicoxa*, *Eucheyletiella ochotona*, *Ornithoecheyletia mironovi*

Malaysia (continent.) (Oudemans, 1903; Nadchatram & Domrow, 1966; Shiba, 1976; Yunus & Ho, 1980; Fain & Nadchatram, 1980; Fain, Lukoschus & Nadchatram, 1980; Ehara & Abdul Ghani, 1988; Mariana et al., 2000: 714; Fain & Bochkov, 2001) – *Cheletogenes monosetosus*, *Ch. ornatus*, *Cheletomimus* (*Hemicheyletia*) *anarbora*, *Ch. (H.) transversus* (= *Hemicheyletia morii*), *Ch. (H.) tropicus*, *Ch. (H.) wellsii*, *Ch. (H.) wellsinus*, *Cheletomorpha lepidopterorum*, *Cheletophyes apicola*, *Ch. clavipilis*, *Ch. vespae*, *Cheletonella vespertilionis*, *Chelonotus selenirhynchus*, *Cheyletus malaccensis* (= *Ch. fortis*), *Ch. malayensis*, *Ch. trouessarti*, *Criokeron quintus*, *Eutogenes onoi*, *Grallacheles bakeri*, *Hylopecheylea malayi*, *Ker bakeri*

Sarawak & Sabah (Domrow, 1964; Ide & Kethley, 1977) – *Chelonotus selenirhynchus*, *Thewkachela ratufi*

Mongolia (Fain & Lukoschus, 1981) – *Cheyletus carnifex* [syn. *allactaga*]

Nepal (Summers & Price, 1970) – *Eucheyletia sinensis*

“New Guinea” (Summers & Price, 1970)

Pakistan (Khan, 1970; Qayyum & Chaudhri, 1977a, 1977b, 1977c, 1979a, 1979b; Rasool & Chaudhri, 1979; Rasool, Chaudhri & Akbar, 1980; Chaudhri & Akbar, 1985; Akbar, Rahi & Chaudhri, 1988; Aheer, Akbar & Chaudhri, 1988, 1991, 1992, 1993, 1994, 1998; Baloch, 1991; Akbar, Aheer & Ishtiaq, 1993; Aheer et al., 1997; Farooq, 2000; Farooq, Akbar & Qureshi, 2000; Haq & Zia, 2001a, 2001b; Haq et al., 2004; Fain, Bochkov & Corpuz-Raros, 2002; Bochkov & OConnor, 2003; Afzal, Ali & Akbar, 2003; Kamran, Khan & Nazir, 2005; Haq & Afzal, 2007; Akbar, Jahan & Mughal, 2008; Halliday, Kamran & Bashir, 2018) – *Acaropsella nobilis*, *A. shaziaii*, *A. walii*, *Acaropsellina campusensis*, *A. clamo*, *A. opsis*, *A. orbis*, *A. platessa*, *A. porta*, *A. shorkotiensis*, *A. subitus*, *A. venustus*, *A. vitrus*, *Chelacheles humilis*, *Cheletogenes aceriai*, *Ch. carinatus*, *Ch. dissitus*, *Ch. iconis*, *Ch. petigenis*, *Ch. sagacis*, *Ch. scaber*, *Ch. vulgatus*, *Cheletomimus* (*Hemicheyletia*) *bakeri*, *Ch. (H.) tanosus*, *Ch. (H.) vescus*, *Cheletomorpha dolosus*, *Ch. lepidopterorum*, *Ch. obrutus*, *Ch. opacus*, *Ch. tenerum*, *Cheletonella daddaciensis*, *Ch. emersus*, *Cheyletus crassus*, *Ch. eruditus*, *Ch. malaccensis* (= *ayyazi*, = *baridos* = *infensus* = *phantosis* = *wahndoensis*), *Ch. vivatus*, *Ker*

acidalia, *Neochelyletiella aegithali*; **Sp. inquirendae**: *Cheletomimus cambio*, *Ch. cantor*, *Ch. larmae*, *Ch. telma*, *Ch. trema*, *Ch. zamia*, *Cheletomorpha obrutus*

Philippines (Summers & Price, 1970; Corpuz – Raros, 1972, 1980, 1988a, 1988b, 1998, 2000; Corpuz – Raros & Sotto, 1977; Malaban & Corpuz-Raros, 1998; Fain, Bochkov & Corpuz-Raros, 2002; Bochkov & OConnor, 2003, 2004; Corpuz-Raros L. A., J.C.B. Naredo. 2016) – *Acaropsella filipina*, *Acaropsellina levis*, *A. philippinensis*, *Alliea prasadi*, *Apodicheles collocalia*, *Bak faini*, *B. furcatus*, *B. gersoni*, *B. payatus*, *B. truncatus*, *Chelacaropsis terrestris*, *Chelacheles baiwanganae*, *Ch. robustus*, *Cheyletus ascutatus*, *Ch. batomyi*, *Ch. malaccensis* (= *fortis*), *Ch. malayensis*, *Cheletogenes ornatus*, *Cheletomimus* (*Ch.*) *daltoniensis*, *Cheletomimus* (*Hemicheyletia*) *athenae*, *Ch. (H.) bakeri*, *Ch. (H.) leytensis*, *Ch. (H.) transversa*, *Ch. (H.) uichancoi*, ?*Ch. (H.) wellsi*, *Ch. (H.) wellsinus*, *Cheletomimus* (*Philippicheyla*) *philipina*, *Cheletomorpha dolosus*, *Ch. tenerum*, *Cunliffella duo*, *C. maysa*, *Eucheyletia nindota*, *Eutogenes makilingensis*, *Hoffmannita rimandoi*, *Ker mercedesae*, *K. pintoriensis*, *Neochelacheles corpuzrarosae*, *N. mendicus*, *Pavlovskicheila philippicana*, *Samsinakia pagongae*. Species inquirendae: *Hemicheyletia lanceolata*

Saudi Arabia (Soliman & Al-Yousif, 1980; el-Bahrawy & al-Dakhil, 1993; Rostom, 1993) – *Acaropsella* ? *volgini*, *Acaropsellina sollers*, *Cheyletus eruditus*, *Ch. malaccensis*

Singapore (Fain, Bochkov & Corpuz-Raros, 2002) – *Cheletomimus* (*Hemicheyletia*) *asiaticus*

Sri Lanka (Parameswaran Pillai, 1957) – *Cheyletus munroi* [var. *bituberculatus*]

Tadjikistan (Volgin, 1963) – *Cheyletus carnifex*, *Ch. malaccensis* (= *polymorphus*), *Lepidocheyla gracilis*

Taiwan (Sugimoto, 1942; Summers & Price, 1970; Tjying I. – S. (= Tseng), 1971, 1972; Tseng, 1973, 1977, 1982, 1984) – *Acaropsella kinshasensis* (= *konoii*), *Bak micidus*, *Caudacheles lienii*, *Chelacheles lanceolatus*, *Cheletogenes monosetosus*, *Cheletomorpha lepidopterorum*, *Cheyletiella strandtmanni*, *Cheletomimus anarbora*, *Ch. (H.) bakeri*, *Ch. chui*, *Ch. omissus*, *Ch. (H.) wellsinus*, *Cheletonella pilosa*, *Cheyletus eruditus*, *Ch. malaccensis*, *Ch. trouessarti*, *Eucheyletia sinensis*, *Oudemansicheyla denmarki*, *Zachvatkiniola reticulata*

Thailand (Vaivanijskul, 1979; Uchikawa & Suzuki, 1980; Fain & Lukoschus, 1985; Lekprayoon & Smiley, 1986; Gerson & Fain, 1991; Bochkov & OConnor, 2004; Bochkov & Klimov, 2005; Fuangarworn & Lekprayoon, 2010) – *Bak furcatus*, *Chelacaropsis moorei*, *Criokeron quintus*, *C. thailandicus*, *Chelacheles baiwanganae*, *Cheletophyes decorus*, *Cheyletus eruditus*, *Dubininiola boonkongae*, *Mexecheles thailandensis*, *Samsinakia charanasriai*, *Sciurocheyla squamosa*

Turkmenia (Volgin, 1969, 1978) – *Acaropsellina sollers*, *Dubininiola polylepis*, *Cheletomimus* (*Hemicheyletia*) *asiaticus*, *Lepidocheyla gracilis*

Uzbekistan (Kuzin, 1940; Volgin, 1955; Barilo, 1985, 1986a, 1986b, 1989) – *Acaropsellina sollers*, *Chelacheles* [*Chelachecaropsis*] *stigmaeoides*, *Cheyletus carnifex*, *Ch. morinus*, *Hypopicheyla mirabilis*, *Ker caeterus*, *Neoeucheyla minuta*, *Pavlovskicheyla semenovi*

Vietnam (Bochkov & Klimov, 2005) – *Cheletophyes decorus*

NORTH AMERICA

Canada (Banks, 1909; Ayalew & Vaillancourt, 1976; Thewke & Enns, 1979; Bochkov & Galloway, 2001; Fain, Bochkov & Corpuz-Raros, 2002) – *Cheletomimus* (*Hemicheyletia*) *bakeri*, *Ch. (H.) lindquisti*, *Cheletomorpha lepidopterorum*, *Cheyletiella yasguri*, *Mexechesle virginiensis*, *Neochyletiella microrhyncha*, *Ornithochyletia canadensis*, *O. prognæ*, *O. turdi*

Mexico (Baker, 1949; De Leon, 1962; Pelaez, 1962; Fain, 1972; Thewke & Enns, 1979; Uchikawa & Suzuki, 1979; Thewke, 1980; Atyeo, Kethley & Pérez, 1984; Hoffmann, Cervantes & Morales-Malacara, 1994; Estébanes – González, 1997; Fain & Bochkov, 2001; Bochkov & Klimov, 2004, 2005) – *Anthrribicheyla bocki*, *Cheletogenes ornatus*, *Cheletomimus berlesei*, *Ch. cordovens*, *Ch. scutellatus*, *Cheyletiella parasitivorax*, *Cheyletiella* [syn. *Bicheyletiella*] *romerolagi* [= *mexicana*], *Cheyletus cacahuamilpensis*, *Ch. eruditus*, *Chiapacheylus edentatus*, *Hoffmannita mexicana*; *Metacheyletia longisetosa*, *Mexechesle hawaiiensis*, *M. marshalli*, *Nodele* (*Aztecocheyletus*) *conquistador*, *Samsinakia tilae*

USA (Banks, 1902, 1904, 1906; Ewing, 1909a, 1909b, 1912; Miller, 1925; Cooper, 1946; Baker, 1949; Yunker, 1960, 1961; De Leon, 1962; Muma, 1964; Vercammen-Grandjean & Rak, 1968; Summers & Price, 1970; Smiley & Moser, 1970, 1975; Hughes, 1976; Smiley, 1970, 1996; Moser & Roton, 1971; Smiley & Williams, 1972; Whitaker, 1973; Whitaker & Wilson, 1974; Thewke & Enns, 1972, 1974, 1975; Keh, 1973, 1975; Delfinado & Khaing – Fields, 1976; Thefke, 1974, 1977; Whitaker, Pascal & Mumford, 1979; Whitaker, Tieben & Maser, 1980; Smiley & Whitaker, 1981; Whitaker & Maser, 1985; Philips & Dindal, 1990; Cudmore, 1986; Fain & Bochkov, 2001; Fain, Bochkov & Corpuz-Raros, 2002; Bochkov & OConnor, 2003, 2004; Whitaker et al., 2007; Bochkov & Otto, 2010; Xia, Klompen & Childers, 2011) – *Acaropsella kullagini*, *Acaropsellina sollers*, *Alliea laruei*, *Anthrribicheyla bocki*, *Atarsacheylus vichii*, *Bak deleoni*, *B. ozarkensis*, *B. sanctaehelenae*, *Bothrocheyla typhosa*, *Camincheyletus glaucomys*, *Chelacheles bipanus*, *Ch. peritremaculatus*, *Ch. seminole*, *Ch. strabismus*, *Ch. temoak*, *Cheletacarus gryphus*, *Cheletogenes ornatus*, *Cheletomimus* (*Ch.*) *berlesei*, *Ch. duosetosus*, *Cheletomimus* (*Hemicheyletia*) *bakeri*, *Ch. (H.) newyorkensis*, *Ch. (H.) rostella*, *Cheletonella vespertilionis*, *Ch. hoffmannae*, *Cheletopsis thalasseus*, *Cheyletiella blakei*, *Ch. parasitivorax* (= *furmani* = *americana*), *Ch. yasguri*, *Cheyletus cacahuamilpensis* (nr), *Ch. carnifex* (= *aversor*), *Ch. eruditus*, *Ch. linsdalei*, *Ch. malaccensis*, *Ch. trouessarti*, *Ch. trux* (= *hendersoni*), *Cunliffella whartoni*, *Eucheyletia bishoppi* (= *E. oregonensis*), *E. hardyi*, *Eucheyletiella johnstoni*, *Eutogenes pinicola*, *E. vicinus*, *Grallacheles bakeri*, *Ker palmatus*, *Lanceacheyla whartoni*, *Mexechesle impolitus*, *M. panneus*, *M. virginiensis*, *Modele calamondin*, *M. coccineae*, *Neochelacheles messersmithi*, *Neochyletiella roweri*, *N. smallwoodae*, *Ornithochyletia gersoni*, *O. hallae hallae*, *O. lawrenceae*, *Oudemansicheyla denmarki*, *Paracaropsis travisi*, *Paracheyletia*

pyriformis (= *Cheyletus longipalpus*), *Pavlovskicheyla platydemae*, *Prosocheyla* (*P.*) *acantha*, *P.* (*P.*) *oaklandia*, *P.* (*Reckiana*) *buckneri*

Alaska (Volgin, 1963) – *Eucheyletia bakeri*

Hawaiian Is. (Baker, 1949; Garrett & Haramoto, 1967; Haramoto, 1969; Summers & Price (1970); Goff, 1982, 1983, 1987; Paxot & Goff, 1985; Fain, Bochkov & Corpuz-Raros, 2002) – *Bak deleoni*, *B. elongatus*, *Chelacheles strabismus*, *Cheletogenes ornatus*, *Cheletomimus* (*Ch.*) *berlesei*, *Ch.* (*Ch.*) *duosetosus*, *Ch.* (*Hemicheyletia*) *bakeri*, *Ch.* (*H.*) *bregetovae*, *Ch.* (*H.*) *gracilis*, *Ch.* (*H.*) *granulae*, *Ch.* (*H.*) *kureatollensis*, *Ch.* (*H.*) *wellsi*, *Cheyletus eruditus*, *Ch. malaccensis* (= *Ch. fortis*), *Ch. malayensis*, *Cunliffella panamensis*, *Grallacheles bakeri*, *Ker palmatus*, *Mexeches hawaiiensis*, *Nodele philippinensis*; Incertae sedis: *Cheletomimus citrosinensis*

SOUTH and CENTRAL AMERICA

Argentina (Brandetti & Bischoff-de-Alzuet, 1981; Mosquera, 1989) – *Cheletomimus* (*Hemicheyletia*) *wellsi*, *Eucheyletia hardyi*, *Ornithocheyletia boeroi*

Brazil (Flechtmann, 1968, 1971; Reis & Paschoal, 1968; Arruda et al., 1969; Amaral, 1971; Fain, 1972; Rosa & Flechtmann, 1979; Whitaker & Dietz, 1987; Bagio et al., 1988a, 1988b; Feres & Flechtmann, 1995; Ezequiel et al., 2001, 2003; Buosi et al., 2006; Valim & Gazeta, 2007) – *Bak ligyscutatus*, *Cheletogenes ornatus*, *Cheletomimus duosetosus*, *Ch. wellsii*, *Cheletomorpha lepidopterorum*, *Cheletonella vespertilionis* (= *caucasica*), *Cheyletiella parasitivorax*, *Cheyletus eruditus*, *Ch. malaccensis* (= *fortis*), *Eutogenes* sp., *Ker bakeri*, *Mexeches hawaiiensis*, *Ornithocheyletia aitkeni*, *O. hallae*

Chile (contin.) (Baker, 1949; Alcaino & Tagle, 1966; Alcaino & Calderon, 1976; Artigas & Casanueva, 1983; Casanueva & Artigas, 1985; Peredo et al., 1994; Fain & Bochkov, 2001) – *Cheletogenes ornatus*, *Cheletomorpha lepidopterorum*, *Cheyletiella parasitivorax*, *Ch. yasguri*, *Cheletomimus* (*Hemicheyletia*) *wellsii*, *Cheyletus eruditus*

Columbia (Oudemans, 1903; Baker, 1949) – *Cheyletus eruditus*, *Ch. intrepidus*

Costa Rica – *Cheletophyes panamensis*

Cuba (de la Cruz, 1971; Cuervo, Dusbábek, de la Cruz & Abreu, 1983; Socarras, 1987; Torre Santana, 2015) – *Chelacheles michalskii*, *Cheyletiella parasitivorax*, *Cheletogenes ornatus*, *Cheletomimus* (*Ch.*) *berlesei*, *Cheletomimus anarbora*, *Cheletomimus* (*Hemicheyletia*) *wellsii*, *Ch. wellsinus*, *Cheletomorpha lepidopterorum*, *Cheyletus carnifex*, *Ch. eruditus*, *Ch. malaccensis*, *Ch. malayensis*, *Chiapacheylus edentatus*, *Grallacheles bakeri*, *Mexeches hawaiiensis*

Ecuador (contin.)

Galapagos Is. (Summers & Price, 1970; Fain & Bochkov, 2001; Fain, Bochkov & Corpuz-Raros, 2002) – *Bak gersoni*, *B. micidus*, *Cheletomimus* (*Hemicheyletia*) *bakeri*, *Ch.* (*H.*) *darwinia*, *Ch.* (*H.*) *serrula*

El Salvador (Summers & Price, 1970) – *Cheletomimus* (*Hemicheyletia*) *granulus*, *Laeliocheyletia teretis*

Guatemala (Fain, Bochkov & Corpuz-Raros, 2002) – *Cheletomimus wellsina*

Honduras – *Mexeches virginiensis*

Jamaica (Corpuz-Raros & Sotto, 1977) – *Cheletomimus (Hemicheyletia) wellsii*

Netherlands-Antilles (Fain & Bochkov, 2001) – *Hoffmannita gersoni*

Panama (Thewke, 1980; Klompen, Mendez & Lukoschus, 1984; Fain, Bochkov & Corpuz-Raros, 2002) – *Anthribicheyla bocki*, *Cheletomimus (Hemicheyletia) bakeri*, *Ch. (H.) wellsii*, *Cheletophyes panamensis*, *Cunliffella panamensis*, *Mexeches hawaiiensis*

Peru (Caceres & Fain, 1975, 1978a, 1978b; Fain & Bochkov, 2001) – *Cheletomorpha lepidopterorum*, *Cheyletus cacahuamilpensis*, *Ch. malaccensis*, *Ch. trouessarti*, *Pavlovskycheyla philippicana*

Porto Rico (Banks, 1914)

Suriname (Fain & Bochkov, 2001) – *Grallacheles bakeri*

Trinidad (De Leon, 1967) – *Cheletomimus anarbora*, *Ch. wellsina*

Venezuela (Fain & Bochkov, 2001) – *Cheletogenes ornatus*

OCEANIA

Australia (continent) (Womersley, 1941, 1942a, 1942b, 1956; Champ, 1965, 1966; Shepherd & Edmonds, 1977; Smiley, 1984; Koch, 1986; Domrow, 1991; Gerson, 1994; Fain & Bochkov, 2000; 2002b; Bochkov & Ochoa, 2005; Bochkov & Otto, 2010) – *Chelacheles thomasi*, *Cheletacarus rugosus*, *Cheletogenes ornatus*, *Ch. waitei*, *Cheletomimus (Hemicheyletia) bakeri*, *Cheletomimus (Philippicheyla) notelaeae*, *Cheletomorpha lepidopterorum*, *Chelacaropsis [syn. Cheletonata] milesi*, *Cheletonella vespertilionis*, *Cheletophanes rugosus*, *Cheyletiella blakei*, *Ch. parasitivorax*, *Ch. yasguri*, *Cheyletus eruditus*, *Ch. malaccensis*, *Eucheyletia womersleyi*, *Granulocheyletus corpuzrarosae*, *Mexeches virginiensis*, *Neocheyletiella ardeola*, *N. artami*, *Oconnoricheylus chimaera*, *Oudemansicheyla denmarki*, *Ou. coprosomae*, *Ornithocheyletia lawrenceae*, *O. lichmerae*, *O. lonchurae*, *Prosocheyla traubi*, *Samsinakia volgini*

Tasmania (Domrow, 1991) – *Cheyletiella blakei*

Papua New Guinea (Oudemans, 1904; Bochkov & Klimov, 2005) – *Eucheletopsis major*, *Cheletophyes occisor*

French Polynesia (Tahiti) (Cunliffe, 1962; Nishida, Version 2009) – *Grallacheles bakeri* (= *Paracheyletia woolfordi*), *Zachvatkiniola reticulata*

Marianne Is. (Oudemans, 1903a) – *Cheyletus malaccensis* (= *vorax*), *Ch. rapax*

New Guinea (Fain & Bochkov, 2001) – *Cheletomorpha lepidopterorum*

New Zealand (Womersley, 1942a; Lamb, 1952; Bull, 1953; Davies & Kyle, 1969; Thewke & Enns, 1976; Gerson, 1994; Fain, 2003; Bochkov & Otto, 2010) – *Cheletomimus crowei*, *Cheyletiella parasitivorax*, *Granulocheyletus gallowayi*, *Oudemansicheyla coprosomae*

Vanuatu (Fain, Bochkov & Corpuz-Raros, 2002) – *Cheletomimus (Hemicheyletia) uichancoi*

Hosts of Cheyletidae

Arthropoda

Crustacea

Decapoda

Fam. Coenobitidae

Coenobita clypeata – *Hoffmannita gersoni*

Arachnida

Scorpiones

Fam. Buthidae

Centruroides flavopictus – *Hoffmannita mexicana*

Insecta

Coleoptera

Fam. Scolytidae

Dendroctonus frontalis – *Mexexcheles impolitus*, *M. virginiensis*, *Prosocheyla acanthus*

Fam. Tenebrionidae

Blastinus sp. – *Samsinakia tilae*

Bolitotherus cornutus – *Neochelacheles messersmithi*

Gonocephalum simplex – *Samsinakia gonocephalum*, *G. volgini*

Platydema – *Pavlovskicheyla platydemae*

Selinus abacoides – *Samsinakia theodoridis*

Fam. Bostrychidae

Dinoderus minutus – *Nodele mu*

Sinoxylon crassum – *Chelacheles baiwanganae*

Xyloperthoides nidipennis – *Chelacheles aigamuxa*

Heteroptera

Fam. Aradidae

A. aterrimus – *Cunliffella tuberculicoxa*, *Hypopicheyla elongata*

A. betulae – *Hoffmanita clavipes*

A. corticalis – *Hoffmanita clavipes*

A. crenaticollis – *Hypopicheyla elongata*

A. lugubris – *Cheyletia aradiphila*, *Cunliffella tuberculicoxa*, *Hypopicheyla elongata*

A. nemtschinovi – *Cunliffella tuberculicoxa*, *Hypopicheyla elongata*

Hymenoptera

Fam. Apidae

Diadasia sphaeralcearum – *Chelacheles temoak*

Xylocopa aruana – *Cheletophyes occisor*

Xylocopa (*Megaxylocopa*) *frontalis* – *Cheletophyes panamensis*

Xylocopa caffra – *Cheletophyes vitzthumi*

X. fenestata – *Cheletophyes deodicari*, *Ch. newtoni*, *Ch. orientalis*, *Ch. ruttneri*,
Ch. shendei

X. pubescens – *Cheletophyes harnaji*

Xylocopa tranquebarica – *Cheletophyes decorus*

Xylocopa sp. – *Cheletophyes xylocopae*

Xylocopinae – *Cheletophyes aurorae*

Fam. Megachilidae

Azthecanthidium tenochtitlanicum – *Nodele (Aztecocheyletus) conquistador*

Fam. Vespidae

Vespa tropica – *Cheletophyes vespae*

Diptera

Fam. Hippoboscidae

Pseudolynchia canariensis – *Ornithocheyletia hallae*

Vertebrata

Reptilia

Sauria

Fam. Iguanidae

Sceloporus woodi – *Paracaropsis travisi*

Aves

Apodiformes

Fam. Apodidae

Apus affinis – *Chelacaropsis apus*

A. caffer – *Apodicheles apus*

Collocalia esculenta – *Apodicheles collocalia*

Fam. Hemiprocnidae

Hemiprocne (= *Dendrochelidon*) *mystacea* – *Eucheletopsis major*

Charadriiformes

Fam. Charadriidae

Charadrius dubius – *Cheletopsis charadrii*

Ch. hiaticula – *Cheletopsis basilica*

Fam. Rostratulidae

Rostratula semicollaris – *Cheletopsis impavida*

Fam. Scolopacidae

Actitis hypoleucos – *Cheletopsis mariae*

Calidris ferruginea – *Cheletopsis impavida*

C. melanotis – *Cheletopsis basilica*

C. minutus – *Cheletopsis impavida*

C. pusilla – *Cheletopsis impavida*

C. ruficollis – *Cheletopsis impavida*

C. temminckii – *Cheletopsis daberti*, *Ch. impavida*

Limnodromus griseus – *Cheletopsis limnodromi*
Micropalama himantopus – *Cheletopsis daberti*, *Ch. impavida*
Prosobonia cancellata – *Cheletopsis prosobonialis*
Tringa flavipes – *Cheletopsis magnanima*
T. glareola – *Cheletopsis daberti*
T. nebularia – *Cheletopsis daberti*
T. stagnatilis – *Cheletopsis impavida*
T. totanus – *Cheletopsis basilica*, *Ch. norneri*

Fam. Laridae

Subfam. Sterninae

Thalasseus [*Sterna*] *sandvicensis* – *Cheletopsis thalasseus*

Columbiformes

Fam. Columbidae

Columba livia – *Ornithochyletia hallae*, *O. pinguis*
Columbigallina sp. – *Ornithochyletia columbigallinae*, *O. hallae*
Streptopelia semitorquata – *Neocheyletiella quleae*

Coraciiformes

Fam. Meropidae

Melithophagus bullockoides – *Bakericheyla* (B.) *transvaalica*
M. pusillus – *Bakericheyla transvaalica*, *B. subquadrata*
Merops apiaster – *Bakericheyla* (B.) *transvaalica*
M. nubicoides – *Bakericheyla* (B.) *transvaalica*
M. supercilliosus persicus – *Bakericheyla* (B.) *transvaalica*
Merops [*Melithophagus*] *bullocki* – *Bakericheyla benoitii*

Cuculiformes

Fam. Cuculidae

Chrysococcyx caprius – *Neocheyletiella* (= *Ornithocheyla*) *megaphallos*
Ch. klaasi – *Ornithochyletia orioli*

Galliformes

Fam. Numididae

Numida meleagris meleagris – *Metacheletoides numidae*
N. meleagris intermedia – *Metacheletoides akanyaruensis*, *M. numidae*

Fam. Phasianidae

Francolinus natalensis – *Ornithocheyletia francolini*

Gruiformes

Fam. Aramidae

Aramus scolopaceus – *Cheletosoma tyrannus*

Musophagiformes

Fam. Musophagidae

Corythaxoides leucogaster – *Metacheyletia ngaii*
Crinifer piscator – *Metacheletoides gisagarensis*, *M. crinifer*

C. zonurus – *Metacheletoides gisagarensis*, *M. crinifer*

Passeriformes

Fam. Aegithalidae

Aegithalos concinnus – *Neocheyletiella aegithali*

Fam. Artamidae

Artamus cyanopterus – *Neocheyletiella artami*

Fam. Corvidae

Cyanocorax chrysops – *Ornithochyletia boeroi*

Fam. Estrildidae

Donacola castaneothorax – *Ornithochyletia lonchurae*

Erythrura prasina – *Neocheyletiella vestergaardi*

Estrilda erythronotos – *Neocheyletiella megaphallos*

Granatina ianthinogaster – *Ornithochyletia granatina*

Lonchura striata – *Chelacaropsis moorei*

Poephila acuticauda – *Bakericheyla chanayi*

P. gouldiae – *Bakericheyla chanayi*

Spermestes cucullatus – *Chelacaropsis rwandana*

Fam. Fringillidae

Carduelis carduelis – *Bakericheyla chanayi*

Chloris chloris – *Cheyletia papillifera*

Leucosticte australis – *Neocheyletiella vestergaardi*

Serinus mozambicus – *Metacheyletia degenerata*

Fam. Hirundinidae

Cecropis abyssinicus unitatis – *Neocheyletiella microrhyncha*

Delichon urbica – *Neocheyletiella microrhyncha*

Hirundo rustica – *Neocheyletiella microrhyncha*

Petrochelidon pyrchonota – *Neocheyletiella microrhyncha*

Progne subis – *Neocheyletiella microrhyncha*

Psolidoprocne albiceps – *Neocheyletiella microrhyncha*

Riparia riparia – *Neocheyletiella microrhyncha*

Fam. Monarchidae

Geiciphila indistincta – *Ornithocheyletia lichmerae*

Grallina cyanoleuca – *Ornithocheyletia lichmerae*

Fam. Motacillidae

Motacilla alba – *Bakericheyla chanayi*

Fam. Muscicapidae

Cossypha dichroa – *Bakericheyla (B.) faini*

Fam. Nectariniidae

Nectarinia jugularis – *Neocheyletiella nectarinia*

Fam. Oriolidae

Oriolus oriolus – *Ornithochyletia oriolus*

Fam. Phylloscopidae*Phylloscopus trochilis* – *Ornithocheyletia phylloscopi***Fam. Pittidae***Pitta megarhyncha* – *Neocheyletiella pittae***Fam. Ploceidae***Foudia madagascariensis* – *Cheyletus legendrei**Pachyphantes superciliosa* – *Ornithochyletia oriol**Philetarius socius* – *Cheyletus mafekingensis**Plocepasser mahali* – *Cheyletus pseudomalaccensis**Ploceus philippinus* – *Microcheyla bengalensis*, *Neoeucheyla ploceus**Quelea quelea* – *Neocheyletiella queleae***Fam. Sittidae***Sitta pygmaea melanotis* – *Neocheyletiella rohweri***Fam. Sturnidae***Lamprocolius chloropterus* – *Ornithochyletia lamprocolius**Lamprocolius* sp. – *Ornithochyletia wauthyi**Sturnus vulgaris* – *Ornithocheyletia dubinini*, *O. pinguis***Fam. Timaliidae***Leiothrix lutea* – *Neocheyletiella media*, *N. alfortensis*, *Ornithocheyletia leiothris***Fam. Turdidae***Turdus fumigatus* – *Ornithocheyletia aitkeni**T. merula* – *Ornithocheyletia pinguis***Fam. Tyrannidae***Phoebe psychotrioides* – *Hemicheyletia cordovensi***Piciformes****Fam. Capitonidae***Lybius* sp. – *Ornithochyletia oriol**Tricholaema hirsuta flavipunctata* – *Picocheyletus tricholaemae***Fam. Indicatoridae***Indicator indicator* – *Ornithochyletia oriol***Fam. Leiothricidae***Garrulax leuolophus bicolor* – *Ornithocheyletia garrulax***Fam. Picidae***Dendrocopos pubescens* – *Ornithocheyletia gersoni**Picus viridis* – *Ornithocheyletia canadensis***Pelecaniformes****Fam. Ardeidae***Ardeolla ralloides* – *Neocheyletiella ardeola*

Psittaciformes**Fam. Psittacidae**

- Amazona finschi* – *Metacheyletia longisetosa*
Ara sp. – *Neocheyletiella avicola*
Forpus passerinus – *Ornithocheyletia argentinensis*
Nandays nanday – *Ornithocheyletia argentinensis*
Psittacus erythacus – *Ornithocheyletia psittaci psittaci*
Pyrrhura cruentata – *Cheyletus alacer*

Fam. Psittaculidae

- Agapornis fisheri* – *Neocheyletiella avicola*

Fam. Psittichasidae

- Coracopsis nigra barkleyi* – *Cheyletus eruditus* (= *ferox*)

Strigiformes**Fam. Strigidae**

- Athene brama* – *Neocheyletiella athene*

Trogoniformes**Fam. Trogonidae**

- Harporhynchus ardens* – *Cheyletus philippinensis*

Mammalia**Didelphimorpha****Fam. Didelphidae**

- Didelphis virginiana* – *Cheyletus eruditus*

Soricomorpha**Fam. Soricidae**

- Sorex fumeus* – *Eucheyletia bishoppi*
S. pacificus – *Eucheyletia bishoppi*
S. trowbridgei – *Eucheyletia bishoppi*

Scandentia**Fam. Tupaiidae**

- Tupaia belangeri* – *Crikeron quintus*
T. glis – *Crikeron quintus*, *C. thailandicus*, *Hylopetheyla malayi*

Chiroptera**Fam. Emballonuridae**

- Coleura gallarum* – *Cheyletus tanzaniensis*

Fam. Vespertilionidae

- Eptesicus fuscus* – *Cheletonella vespertilionis*
Myotis velifer – *Cheyletus cacahuamilpensis* (nr)

Rodentia**Fam. Anomaluridae**

- (?) *Zenkerella insignis* – *Sciurocheylela camerounensis*

Fam. Ctenodactylidae*Ctenodactylus gundi* – *Teynocheylus gundii**C. vali* – *Teynocheylus gundii**Massoutiera mzabi* – *Teynocheylus gundii**Pectinator spekei* – *Teynocheylus longissimus***Fam. Muridae***Batomys salomonseni* – *Cheyletus ascutatus*, *Ch. batomysi**Menetes berdmorei* – *Cheyletus eruditus**Niviventer fulvescens* – *Eucheyletia sinensis**Rattus norvegicus* – *Cheyletus eruditus*, *Ch. trouessarti**R. humiliatus celsus* – *Eucheyletia sinensis**R. whiteheadi* – *Cheletophyes apicola***Subfam. Gerbillinae***Gerbillurus paeba* – *Cheyletus gerbillicola**Gerbillus pyramidum* – *Cheyletus punctulatus***Fam. Arvicolidae***Microtus agrestis* – *Cheyletus trouessarti**M. arvalis* – *Cheyletus malaccensis* (= *polymorphus*)*M. guentheri* – *Cheyletus cacahuamilpensis**M. pinetorum* – *Eucheyletia bishoppi***Fam. Cricetidae***Neotoma cinerea* – *Eucheyletia bishoppi**N. floridana* – *Cheyletus malaccensis**N. magister* – *Cheyletus malaccensis**Peromyscus leucopus* – *Cheyletus eruditus**Thalpomys* [*Akodon*] *reinhardti* – *Cheyletus malaccensis***Fam. Sciuridae***Callosciurus sladeni midas* – *Cheyletus malaccensis**Citellus beecheyi* – *Cheyletus lindsdalei**Funisciurus carruthersi* – *Cheyletus funisciuri**Glaucomys sabrinus* (nest) – *Acaropsellina summersi*, *Camincheyletus glaucomys*, *Eucheyletia bishoppi* (= *oregonensis*)*Heliosciurus undulatus* – *Sciurocheyla camerounensis**Hylopetes spadiceus* – *Hylopecheyla bunguranensis**Lariscus insignis* – *Chelonotus selenirhynchus**Nannosciurus surrutilus* – *Promuricheyla lukoschusi**Petinomys setosus* – *Cheyletus malaccensis**Ratufa affinis* – *Thewkachela ratufi**R. bicolor* – *Thewkachela ratufi**Rhinosciurus laticaudatus* – *Cheyletus pluridens**Spermophilus beldingi* – *Cheyletus lindsdalei*

Sundasciurus hippurus – *Chelonotus selenirhynchus*

S. lowii – *Chelonotus selenirhynchus*

S. tenuis – *Chelonotus selenirhynchus*

Tamias striatus – *Eucheyletia bishoppi*

Lagomorpha

Fam. Leporidae

Lepus whytei – *Cheyletiella parasitivorax* (= *katangae*)

Lepus sp. – *Cheyletiella strandtmanni*

Oryctolagus cuniculus – *Cheyletiella parasitivorax*

Romerolagus diazi – *Cheyletiella* [= *Bicheyletiella*] *romerolagi* [= *mexicana*],
Ch. parasitivorax

Sylvilagus bachmanni – *Cheyletiella parasitivorax*

S. floridanus – *Cheyletiella parasitivorax*

S. palustris paludicola – *Cheyletiella parasitivorax* (= *furmani*)

Fam. Ochotonidae

Ochotona hyperborea yesoensis – *Eucheyletiella takahasii*

O. hyperborea – *Eucheyletiella takahasii*

O. pallasi – *Eucheyletiella pallasius*

O. princeps – *Eucheyletiella johnstoni*

O. pusillinus – *Eucheyletiella pusillinus*

O. roylei – *Eucheyletiella ochotonae*

O. rufescens – *Eucheyletiella faini*, *E. ochotonae*

Carnivora

Fam. Canidae

Canis familiaris – *Cheyletiella yasguri* (phoretic)

Fam. Felidae

Felis catus – *Cheyletiella blakei*, *Ch. parasitivorax*

Fam. Herpestidae

Herpestes bocagei – *Nihelia curvidens*

H. punctulatus – *Nihelia curvidens*

H. sanguineus – *Nihelia curvidens*

H. edwardsii – *Nihelia calcarata*

Fam. Mustelidae

Spilogale putorius – *Eucheyletia bishoppi*

Fam. Procyonidae

Bassariscus astutus – *Cheyletus eruditus*, *Eucheyletia hardyi*

Fam. Viverridae

Cynictis penicillata – *Nihelia cynictis*

Primates

Fam. Galagonidae

Galago senegalensis – *Galagocheles lawrencei*

G. moholi – *Galagocheles lawrencei*, *G. lemuricola*
Otolemur garnetti – *Galagocheles lemuricola*
O. crassicaudata monteri – *Galagocheles lemuricola*

Fam. Hominidae

Homo sapiens – *Cheyletiella blakei*, *Ch. parasitivorax*

Bibliography of Cheyletidae

- Afzal M., M.A. Ali, R. Akbar. 2003. A new species of the genus *Hemicheyletia* (Acarina, Cheyletidae) from Chang Manga Forest. – *Biologia (Lahore)*, **49**(1–2): 89–91.
- Ahadiyat A., H. Ostovan, A. Saboori. 2004. Mites associated with *Scolytus amygdali* Guerin-Meneville, 1847 in Karaj region. Proceeding of 16th Iranian Plant Protection Congress, University of Tabriz. p. 251.
- Aheer G.M., S. Akbar, W. M. Chaudhri. 1991. Two new species of genus *Acaropsis* (Acarina: Cheyletidae) from Pakistan. – *Acarologia*, **32**: 335–340.
- Aheer G.M., S. Akbar, W. M. Chaudhri. 1992. Three new species of genus *Cheletogenes* Oudemans (Acarina: Cheyletidae) from Pakistan. – *Acarologia*, **33**(1): 35–43.
- Aheer G.M., S. Akbar, W. M. Chaudhri. 1994. The genus *Cheletomimus* (Acarina: Cheyletidae). I. Descriptions of three new species. – *Acarologia*, **35**(4): 345–351.
- Aheer G.M., S. Akbar, W. M. Chaudhri. 1997. New species of the genera *Cheletomorpha* and *Ker* (Acarina: Cheyletidae) from Pakistan. – *Acarologia*, **38**: 117–121.
- Aheer G.M., S. Akbar, W. M. Chaudhri. 1998. New species of the genus *Cheletomimus* Oudemans (Cheyletidae: Acarina) and a study of phenetic affinities of the species from Pakistan. – *Pakistan J. of Zoology*, **30**(2): 125–132.
- Aheer G.M., W. M. Chaudhri. 1987. A new mite species of genus *Cheletonella* (Acarina: Cheyletidae) from Pakistan. – *Journal of Agricultural Research, Pakistan*, **25**: 103–109.
- Akbar S., G.M. Aheer. 1994. Mite fauna of summer vegetables in Punjab. – *Pakistan Journal of Zoology*, **26**: 339–345.
- Akbar S., G.M. Aheer, A. Ishtaq. 1993. New predatory mites from summer vegetables at Gujranwala. – *Pakistan Journal of Zoology*, **25**: 293–297.
- Akbar S., S. Jahan, M.S. Mughal. 2008. Two new species of the genus *Acaropsella* Volgin (Prostigmata: Cheyletidae) from Punjab Pakistan. – *Acarologia*, **48**(3–4): 187–190.
- Akbar S., M. Sarwar Rahi, W. M. Chaudhri. 1988. Three new mite species of the family Cheyletidae from Pakistan. – *Florida Entomologist*, **71**(1): 1–7.
- Akimov I.A., V.T. Gorgol. 1990. [Predatory and parasitic cheyletid mites]. – *Naukova Dumka*, Kiev: 1–120 (in Russian).
- Akpınar, D., Çobanoğlu, S., Öğreten, A. 2017. Traits of Cheyletidae family and their usage possibilities in biological control. *Turkish Journal of Agricultural and Natural Sciences*, **4**: 9–13.
- Alcaino H., M.T. Calderon. 1976. *Cheyletiella yaguri* (Acarina: Cheyletidae) en perros de Chile. – *Arch. Med. Vet.*, **8**: 40–42.

- Alexander J. O'D. 1972. Mites and skin diseases. – Clin. Med., **79**: 14–19.
- Amaral V. do. 1971. Ocorrência do ácaro *Cheyletiella parasitivorax* (Mégnin 1878) (Acarina Cheyletidae), em coelho doméstico (*Oryctolagus cuniculus*), no Brasil. – Biológico, São Paulo, **37**: 106–107.
- André H. 1975. Observations sur les Acariens corticoles de Belgique. – Fondation universitaire luxembourgeoise, Série “Notes de recherche”, 5–31.
- Ardeshtir F., M.R. Nematollahi. 2008. Mite fauna on wheat stored and new record of *Cunliffella variegata* (Barilo, 1985) in Esfahan Province. Proceeding of 18th Iranian Plant Protection Congress; University of Bu-Ali Sina. p. 274.
- Ardeshtir F. 2017. Cheyletid mites (Acari: Trombidiformes) in stored grains in Iran. – Persian J. Acarology, **6**(1): 11–24.
- Ardeshtir F., D.S. Georges-Gridelet, P. Grootaert, L. Tirry, G. Wauthy. 2000. Preliminary observations on mites associated with stored grains in Iran. – Belgian Journal of Entomology, **2**: 287–293.
- Arruda G.P. et al. 1969. Ácaros associados a plantas no nordeste do Brasil. – Res. II Reun. An. Soc. Brasil. Entomol., Recife, 35–36.
- Artigas J. N., M. E. Casanueva. 1983. Acaras del polvo de las habitaciones en Chile (Acari). – Gayana (Zool.), **47** : 3–106
- Asmat G.S.M., Abdul Kader. 1990. A preliminary survey of mites from the nest of certain birds in the Chittagong University campus. – Bangladesh J. Zool., **18**(2): 177–183.
- Athanassiou Ch. G., N.G. Kavallieratos, N.E. Palyvos, C. Th. Buchelos. 2003. Three – dimensional distribution and sampling indices of insects and mites in horizontally – stored wheat. – Applied Entomology and Zoology, **38**(3): 413–426.
- Attiah H.H. 1973. *Chelachecaropsis bakeri*, a new genus and species associated with stored food mites in Egypt (Acarina, Cheyletidae). In: M. Daniel and B. Rosicky (eds), Proceedings of the 3th International Congress of Acarology, Akademia, Prague, pp. 349–352.
- Atyeo W. T., J. B. Kethley, T.M. Pérez. 1984. Paedomorphosis in *Metacheyletia* (Acari: Cheyletidae), with the description of a new species. – Journal of Medical Entomology, **21**: 125–131.
- Austad R. 1968. *Cheyletiella parasitivorax* en dyremidd som årsak til klaende utslett hos mennesker. – Tidd. Norsdk. Laegforen., **88**: 28–30.
- Avidov Z., D. Blumberg, U. Gerson. 1968. *Cheletogenes ornatus* (Acarina: Cheyletidae), a predator of the chaff scale on citrus in Israel. – Israel J. Entomol., **3**: 77–94.
- Baggio D., J. Croce, F.M. Castro. 1988a. Ácaros do pó domiciliar de Cubatão, São Paulo. – Rev. Bras. Alerg. Imunopatol., **11**(5): 178.
- Baggio D., J. Croce, F.M. Zuppi, W. Mello. 1988b. Ácaros do pó domiciliar em Luiz Antônio, São Paulo. – Rev. Bras. Alerg. Imunopatol., **11**(5): 179.
- Baker A.S., J.C. Craven. 2003. Checklist of the mites (Arachnida: Acari) associated with bats (Mammalia: Chiroptera) in the British Isles. – Syst. & Applied Acarology Special Publications, **14**: 1–20.
- Baker E. W. 1949. A review of the mites of the family Cheyletidae in the United States National Museum. – Proceedings of the the United States National Museum, **99**: 267–320.

- Baker E. W. 1958. *Chelacheles strabismus*, a new genus and species of mite from Portugal (Acarina, Cheyletidae). – Proceeding of the Entomological Society of Washington, **60**: 234–235.
- Baker K.P. 1969. Infestation of domestic animals with the mite *Cheyletiella parasitivorax*. – The Veterinary Record, **88**: 561.
- Bakkers E. J. M., A. Fain. 1972. Dermatitis in man and in a dog caused by the mite *Cheyletiella yasguri* Smiley. – Brit. J. Dermatol., **87**: 245–247.
- Baloch Umar Khan. 1991. Taxonomic studies on Cheyletid mites of stored grain and stored products in Pakistan. – Sindh Agriculture University, Tandojam (Hyderabad), Sindh.
- Banks N. 1902. New genera and species of acarians. – Canadian Ent., **34**: 171–176.
- Banks N. 1904. A treatise on the Acarina, or Mites. – Proc. U.S. Nat. Mus., **28**(1382): 1–114.
- Banks N. 1907. A preliminary list of the Arachnida of Indiana, with keys to families and genera of spiders. – Rep. Indiana Geol. Surv., **31**: 715–747.
- Banks N. 1915. The Acarina or Mites. – Report No 8, U.S. Dep. of Agriculture.
- Barilo A. B. 1985. A new species of the genus *Neoeucheyla* Radford (Cheyletidae; Prostigmata) from southern regions of Uzbekistan. – Uzbekskii Biol. Zhur., 1985: 45–47 (in Russian).
- Barilo A. B. 1986a. New species of stigmaeid and cheyletid mites (Acariformes, Stigmaeidae, Cheyletidae) from Uzbekistan. – Nauchnye Dokl. vyssh. Shk. Biol. Nauki. 1986: 25–29.
- Barilo A. B. 1986b. *Ker caeterus* sp. n. (Prostigmata, Cheyletidae) from Uzbekistan. – Zool. Journal, **65**: 298–300 (in Russian with English summary).
- Barilo A. B. 1989. New species of mites of the families Raphignathidae, Stigmaeidae, Cheyletidae from Central Asia. – Zool. Journal, **68**(10): 134–138 (in Russian with English summary).
- Barker P.S. 1992. Bionomics of *Nodele calamondin* Muma (Acarina: Cheyletidae) fed on *Lepidoglyphus destructor* (Schränk)(Acarina: Glycyphagidae) at two constant temperatures. – Canadian J. Zool., **70**(12): 2333–2337.
- Barr A.R. 1955. A case of “mange” of the domestic rabbit due to *Cheyletiella parasitivorax* (Mégnin). – J. Parasitol., **41**: 323.
- Bayram S., S. Cobanoğlu. 2006. Astigmata and Prostigmata (Acari) of bulbaceous ornamental plants in Ankara, Turkey. – Acta Phytopathologica et Entomologica Hungarica, **41**(3–4): 367–381.
- Bedford G.A.H. 1932. A synoptic check-list and host-list of the ectoparasites found on South African Mammalia, Aves, and Reptilia. – 18th Rep. Vet. Res. Un. S. Afr., part 1.
- Beer R. E., D. R. Dailey. 1956. Biological and systematic studies of two species of cheyletid mites, with a description of a new species (Acarina: Cheyletidae). – Univ. Kan. Sci. Bull., **38**(5): 393–437.
- Beesley W. N. 1963. *Cheyletiella parasitivorax* (Acarina: Trombidioidea) as a parasitic mite in Britain. – Parasitology, **53**(1): 651–652.
- Berlese A. 1882–1903. Acari, Myriopoda et Scorpiones hucusque in Italia reperta. – Padova.
- Berlese A. 1885. Sopra alcuni Acari. Lettera del dott. Antonio Berlese al dott. G. Haller in Zurigo. – Boll. Soc. Ent. Ital., **17**: 145–148.

- Berlese A. 1913. Acari nuovi. – Manipoli VII-VIII. – Redia, **9**: 77–111.
- Berlese A. 1921. Centuria quinta di Acari nuovi. – Redia, **14**: 143–195.
- Berlese A., E. Trouessart. 1889. Diagnoses d'Acariens nouveaux ou peu connus. – Bulletin de la Bibliothèque Scientifique de l'Ouest, 2^e année, 2^e partie, **9**: 1–23.
- Beron P. 2011. Checklist and Bibliography of the fauna of Acari (Arachnida) in Bulgaria. Nat. Mus. Natur. Hist. Sofia: 130 p.
- Beyzavi G.R., H. Ostovan. 2011. New record of a genus and species of Cheyletidae for Iranian mites fauna. – Plant Prot. J., **3**(2): 177–183.
- Bjarke T., L. Hellgren, K. Orstadius. 1973. *Cheyletiella parasitivorax* dermatitis in man. – Acta Dermato-venerol., **53**: 217–224.
- Bochkov A. V. 2002. Classification and phylogeny of mites of the superfamily Cheyletoidea (Acari: Prostigmata). – Entomologicheskoe Obozrenie [In Russian but also translated into English in Entomol. Rev.]. **81**: 488–513.
- Bochkov, A.V. 2004a. A new finding of *Teinocheylus gundii* Fain and al., 1982 (Acari: Cheyletidae) from a ctenodactylid rodent (Rodentia: Ctenodactylidae). – Zoosystematica Rossica, **13**(1): 4.
- Bochkov, A.V. 2004b. [Mites of the family Cheyletidae (Acari: Prostigmata): phylogeny, distribution, evolution and analysis of host-parasite relationships]. – Parazitologiya, **38**(2): 122–138. [In Russian with English summary]
- Bochkov A. V. 2008. New observations on phylogeny of cheyletoid mites (Acari: Prostigmata: Cheyletoidea). – Trudy Zool. Instituta, **312**(1–2): 54–73.
- Bochkov A. V. 2009a. A review of mites of the parvorder Eleutherengona (Acariformes: Prostigmata) – permanent parasites of mammals. – Acarina Supplement No 1: 3–149.
- Bochkov A. V. 2009b. Origin and evolution of parasitism in mites of the infraorder Eleutherengona (Acari: Prostigmata). Report II. Superfamily Cheyletoidea. – Parazitologiya (St. Petersburg), **43**(2): 97–117.
- Bochkov A., V.V. Abramov. 2016. To fauna of the free-living Cheyletidae (Acariformes: Cheyletoidea) of the European part of Russia. – Systematic and Applied Acarology, **21**(3): 335–346.
- Bochkov A. V., A. Fain. 2001. Phylogeny and system of the Cheyletidae (Acari: Prostigmata) with special reference to their host-parasite associations. – Bull. Inst. Roy. Sci. Nat. Belg., Entomologie, **71**: 5–36.
- Bochkov A. V., A. Fain, F. Ardeshtir. 2001. Redescription of *Nodele calamondin* Muma, 1964 (Acari: Cheyletidae). – Bull. S. R. B. E./ K. B. V. E., **137**: 123–126.
- Bochkov A. V., A. Fain, J. Dabert. 2002. A revision of the genus *Cheletopsis* (Acari Cheyletidae). – Bull. Inst. Roy. Sci. Nat. Belg., Entomologie, **72**: 5–26.
- Bochkov A. V., T.D. Galloway. 2001. Parasitic cheyletoid mites (Acari: Cheyletoidea) associated with passeriform birds (Aves: Passeriformes) in Canada. – Canadian Journal of Zoology, **79**: 2014–2028.
- Bochkov A. V., T.D. Galloway. 2004. New species and records of Cheyletoid mites (Acari: Cheyletoidea) from birds in Canada. – J. of Kansas Entom. Society, **77**(1): 26–44.

- Bochkov A. V., M. Hakimitabar, A. Saboori. 2005. A review of the Iranian Cheyletidae (Acari: Prostigmata). – Belg. J. Entomology, **7**: 99–109.
- Bochkov A. V., A. A. Haustov [= Khaustov]. 1999a. *Prosocheyla villosa* sp. n., a new mite species from Crimea (Prostigmata: Cheyletidae). – Genus (Wroclaw), **10**(1): 151–154.
- Bochkov A. V., A. A. Khaustov. 1999b. Description *Cheyletus kuznetzovi* sp. n. (Acariformes, Cheyletidae) from Turkmenia. – Zoologicheskii Zhurnal, **78**: 115–116 (In Russian). Also published in English in Entomological Review, **79**(4): 482–483.
- Bochkov A. V., A. A. Khaustov, N.N. Kuznetsov. 1999. A new mite species of the genus *Chelacheles* (Acariformes, Cheyletidae) from the Crimea. – Zoologicheskii Zhurnal, **78**: 117–120 (In Russian). Also published in English in Entomological Review, **79**(4): 484–487.
- Bochkov A.V., P.B. Klimov. 2004. A new predaceous mite *Nodele (Aztecocheyletus) conquistador* subgen. n., sp. n. (Acari: Cheyletidae) phoretic on *Aztecontidium tenochtitlanicum* (Hymenoptera: Megachilidae). – Acarina, **12**: 23–27.
- Bochkov A. V., P.B. Klimov. 2005. Three new species of predaceous Cheyletidae (Acari: Prostigmata) phoretic on insects. – Acarina, **13**(1): 15–22.
- Bochkov A. V., V. G. Malikov. 1996. *Eucheyletiella faini* sp. n. (Acari: Cheyletidae), a new species of parasitic mites from *Ochotona rufescens* (Gray) (Lagomorpha, Ochotonidae). – Acarina, Russian Journal of Acarology, **4**(1–2): 43–48.
- Bochkov A. V., S. V. Mironov. 1997. On a taxonomy of predatory mites of the genus *Neoeucheylela* Radford, 1950 and related genera (Acari: Cheyletidae). – Acarina, Russian Journal of Acarology, **5**(1–3): 73–78.
- Bochkov A. V., S. V. Mironov. 1998. *Samsinakia trilobitus* sp. n., a new cheyletid mite from South India (Acari: Cheyletidae). – Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg, **12**(157): 265–268.
- Bochkov A. V., S. V. Mironov. 1999. A systematic review of the parasitic mite genus *Eucheyletiella* Volgin, 1969 (Prostigmata: Cheyletidae). – Mitt. Hamb. zool. Mus. Inst., **96**: 141–155.
- Bochkov A. V., S. V. Mironov, V. T. Gorgol. 1994. *Ornithocheyletia phylloscopi* sp. n. (Acariformes: Cheyletidae), new species of parasitic mite from the willow warbler. – Acarina, Russian J. of Acarology, **2**(1–2): 73–80.
- Bochkov A. V., S. V. Mironov, B. M. OConnor. 2006. Revision of the genus *Galagocheles* Fain (Acari: Cheyletidae), parasites of galagos (Primates: Galagonidae). – Systematic Parasitology, **63**(3): 183–202.
- Bochkov A. V., R. Ochoa. 2005. Three new cheyletid species (Acari: Cheyletidae) from the National Museum of Natural History entomological collection, USA. – Acarina, **13**(2): 137–144.
- Bochkov A. V., B.M. OConnor. 2003a. New cheyletid mites (Acari, Cheyletidae) associated with birds. – Acta Parasitol., **48**: 265–279.
- Bochkov A. V., B.M. OConnor. 2003b. Two new species of the genus *Cheyletus* Latreille, 1796 (Acari: Cheyletidae) associated with Philippine vertebrates. – Internat. J. Acarol., **29**(4): 327–330.

- Bochkov A. V., B.M. OConnor. 2004a. Systematics of the genus *Sciurocheyla* (Acari, Cheyletidae), parasites of tropical squirrels (Rodentia, Sciuridae). – J. Med. Entomol., **41**(3): 308–320.
- Bochkov A. V., B.M. OConnor. 2004b. Phylogeny, taxonomy and biology of mites of the genera *Chelacheles* and *Neochelacheles* (Acari: Cheyletidae). – Invertebrate Systematics, **18**: 547–592.
- Bochkov A. V., B.M. OConnor. 2010. *Nidocheyletus kennedyae* n. gen., n.sp. (Prostigmata: Cheyletidae) from nests of passerine birds in Michigan, U.S.A. – Int. J. Acarology, **36**(1): 59–71.
- Bochkov A. V., J. Otto. 2010. Five new species of predaceous cheyletid mites (Acari: Prostigmata: Cheyletidae). – Zootaxa, **2727**: 1–20.
- Bochkov A.V., E. Sidorchuk. 2016. A New Eocene Free-Living Cheyletid Mite from Baltic Amber. – Acta Palaeontologica Polonica, **61**(4): 869–874.
- Bochkov A.V., M. Skoracki. 2011. A new species of cheyletid mite *Metacheyletia ngaii* n. sp. (Acariformes: Cheyletidae) from quills of *Corythaxoides leucogaster* (Musophagidae) from Tanzania. – Acarology, **51**: 93–97
- Bochkov A.V., M. Skoracki. 2012. New and poorly known predaceous cheyletids (Acariformes: Cheyletidae) from feather quills.- International Journal of Acarology, **68**: 486–496.
- Boczek J. 1959. Biologia i Ecologia Sierposza Rozkruszkowca (*Cheyletus eruditus*)(Schränk, 1781)(Acarina, Cheyletidae). – Prace nauk., I. O. R., **1**: 175–230.,
- Boström S. et al., 1997. Characterization of the mite fauna (Acari) in Swedish barn dust. – Intern. J. Acarology, **23**(2): 127–132.
- Brandetti E., A. Bischoff-de-Alzuet, J.E. Ledd. 1981. Morfologia y biología de *Ornithocheyletia boeroi* sp.n. ectoparasito hematofago de *Cyanocorax chrysops* (Acarina, Cheyletidae). – Revista de la Sociedad Entomologica Argentina, 1980, **39**(3–4): 235–242.
- Bronswijk J. E. M. H. van, L. H. Jansen, A. J. Ophof. 1972. Invasion of a house by the dog parasite *Cheyletiella yasguri* (Smiley 1965), a mite causing prurigo in Man. – Dermatologica, **145**: 338–343.
- Bronswijk J. E. M. H. van, E. J. de Kreek. 1976. *Cheyletiella* (Acari: Cheyletiellidae) of dog, cat and domesticated rabbit, a review. – Journal of Medical Entomology, **13**: 315–327.
- Brown N. Sandra. 1971. A survey of the Arthropod parasites of pigeons (*Columba livia*) in Boston. – J. Parasitol., **57**(6): 1379–1380.
- Bull P.C. 1953. Parasites of the wild rabbit (*Oryctolagus cuniculus* (L.) in New Zealand. – N.Z. J. Sci. Tech., Ser.B, **34**: 341–372.
- Buosi R., R. J. F. Feres, A. R. Oliveira, A. C. Lofego, F. A. Hernandez. 2006. Ácaros Plantícolas (Acari) da “Estação Ecológica de Paulo de Faria”, Estado de São Paulo., Brasil. – Biota Neotropica, **6**(1) 1–20.
- Caceres I., A. Fain. 1975. Notes sur les Acariens des denrées alimentaires du Pérou. – Bull. Ann. Soc. r. belge Ent., **111**: 143–150.
- Caceres I., A. Fain. 1978. Notes sur la faune acarologique des poussières de maison du Pérou. – Proc. of the 4th Intern. Congr. of Acarology, 1974: 259–261.
- Caceres I., A. Fain. 1978. Notes sur la faune acarologique des poussières de maisons du Pérou. – Bull. Ann. Soc. r. belge Ent., **114**: 301–303.

- Canestrini G. 1885. Prospetto dell'Acarofauna italiana. Part 2. Famiglia dei Cheyletini. – Atti Red. Inst. Veneto, Ser.6, 3: 1656–1666, pl. XIX, fig.3.
- Canestrini G. 1886. Prospetto dell'Acarofauna italiana. Famiglie: Erythraeini, Cheyletini, Bdellini, Eupodini e Analgesini. Atti del reale Ist. Veneto di scienze, lettere ed arti, ser. 6: 159–311.
- Canestrini G. 1892. Prospetto dell'acarofauna italiana. Parte V.a. Intorno alla metamorfosi degli Ixodini (nota). Abbozzo del sistema acarologico. Famiglia dei Phytoptini (Phytoptidae). – pp. 544–722. Padova. (Prosperini).
- Canestrini G., F. Fanzago. 1876. Nuovi acari italiani (ser.2). – Atti Soc.Veneto-Trentina Sci. Nat. 5 (fasc. 1) : 99–111.
- Carroll H. F., J. H. Theis. 1973. *Cheyletiella* mite dermatitis: a review. – J. Amer. Anim. Host. Assoc., **9**: 573–576.
- Casanueva M.E., J.N. Artigas. 1985. Distribución geográfica y estacional de los ácaros del polvo de habitación en Chile (Arthropoda: Acari). – Gayana Zoología, **49**:3–76.
- Chartet L.D., M.S.Mulla, M.Sanchez-Medina.1978. Domestic Acari of Colombia: occurrence and distribution of Acari in house dust. – Acarologia, **19**(2): 302–317.
- Chaudry W.M., S. Akbar, A. Rasool. 1979. Studies on the Predatory Leaf Inhabiting Mites of Pakistan. Project No. PK-ARS-30. University of Agriculture, Faisalabad, Pakistan, 234 pp.
- Chaudry W.M., S. Akbar. 1985. Studies on the Biosystematics and Control of Mites of Field Crops, Vegetables and Fruit Plants in Pakistan. University of Agriculture, Faisalabad, Pakistan, 314 pp.
- Chernichko K.I., D.A. Kivganov. 2013. Review of Cheyletid mites of the genus *Cheletopsis* (Acari: Cheyletidae) from the quills of waders in Southern Ukraine, with description of a new species. – Vestnik zoologii, **47**(1): 82–86.
- Chirov P. A., A. V. Bochkov. 1998. *Ornitocheyletia mironovi* sp. n. (Acari: Cheyletidae) a new species of parasitic mites of the bank swallow from Kirghizia. – Acarina, Russian J. of Acarology, **6**(1–2): 35–36.
- Clark J.D., Hyong-Sun Ah. 1976. *Cheyletiella parasitivorax* (Mégnin) a parasitic mite causing mange in the domestic rabbit. – J. Parasitol., **62**(1): 125.
- Clarke M. L. 1958. *Cheyletiella parasitivorax* infestation in the cat. – Vet. Rec., **70**: 502.
- Cockerell T.D.A. 1917. Arthropods in Burmese amber. – Psyche, **24**: 40–45.
- Cooper K. W. 1946. The occurrence of the mite *Cheyletiella parasitivorax* (Mégnin) in North America with notes on its synonymy and “parasitic” habit. – J. Parasitol., **32** (5): 480–482.
- Cooreman J. 1946. A propos de *Cheletomorpha lepidopterorum* (Shaw, 1794) (Acarien, Cheyletidae). – Lambillionea, **46**(4–5): 70–71.
- Cooreman J. 1951. Sur quelques Acariens vivant parmi les colonies de Coccides au Maroc. – Revue de Pathologie végétale et d'Entomologie agricole de France, **30**(1): 30–34.
- Corpuz-Raros L. A. 1972. Systematic studies of Philippine cheyletid mites. I. Preliminary report of species mainly from Laguna. -The Philippine Entomologist, **2**: 247–271.
- Corpuz-Raros L. A. 1980. Systematic studies of Philippine cheyletid mites (Acarina). III. *Polycheyletus batangeni* (Corpuz-Raros), comb. nov. – Kalikasan, Philippine Journal of Biology, **9**: 61–68.

- Corpuz-Raros L. A. 1988a. Systematic studies of Philippine cheyletid mites (Acarina, Cheyletidae). IV. The genus *Cheyletus* Latreille. – Philippine Journal of Science, **117**: 327–341.
- Corpuz-Raros L. A. 1988b. Systematic studies of Philippine cheyletid mites (Acarina). V. New species and new records, with a note on the synonymy of *Tutacheyla* Corpuz-Raros. – Philippine Journal of Science, **117**: 413–427.
- Corpuz-Raros L. A. 1998. Twelve new species and one new record of Cheyletidae (Acari) from the Philippines. – International Journal of Acarology, **24**: 259–290.
- Corpuz-Raros L.A. 2000a. Two new species and a new record of *Bak* from the Philippines (Acari: Cheyletidae). – Int. J. Acarol., **26**(4): 321–328.
- Corpuz-Raros L.A. 2000b. Guide to Philippines predatory mites: Family Cheyletidae Leach. – UPLB Museum Publications in Natural History, The Museum of Natural History, University of the Philippines, Los Baños College, Laguna, Philippines, 2: 1–80.
- Corpuz-Raros L. A., J.C.B. Naredo. 2016. *Lanceacheyla filipina*, a new species of cave-inhabiting mite from the Philippines (Acari: Cheyletidae: Cheyletinae). – Philipp. Ent., **30**(1): 1–9.
- Corpuz-Raros L. A., J. M. Sotto. 1977. Systematic studies of Philippine cheyletid mites (Acarina, Cheyletidae). II. New species and new records. – Kalikasan, Philippine Journal of Biology, **6**: 143–170.
- Cruz J. de la. 1971. Nuevos reportes de ectoparasitos de los animales de laboratorio de Cuba. – Revista Cub. Cienc. Vet., **2**: 101–102.
- Cuervo N., F. Dusbábek, J. de la Cruz, R. Abreu. 1983. Los acaros (Acarina: Pyroglyphidae, Cheyletidae, Saproglyphidae y Glycyphagidae) de los polvos domesticos en Cuba. – Rev. Cub. Med. Trop., **35**: 83–103.
- Cunliffe F. 1955. A proposed classification of the Trombidiforme mites (Acarina). – Proc. Ent. Soc. Washington, **57**: 209–218.
- Cunliffe F. 1962. New species of Cheyletidae (Acarina). – Proc. Ent. Soc. Washington, **64**(3): 197–202.
- Curtis C.F. 2004. Current trends in the treatment of *Sarcoptes*, *Cheyletiella* and *Otodectes* mite infestations in dogs and cats. – Vet. Dermatol., **15**(2): 108–114.
- Cwilich R., A. Hadani. 1965. Infestation of chicks with mites of the genera *Haemolaelaps* and *Cheyletus*. – Refuah Veterinarith, Israel, **22**(1): 55–54.
- Çobanoğlu S., C. Cilbircioğlu, S. Zabudovskaya. 2020. New record of predatory mite (Prostigmata: Ereynetidae) with some cheyletid mites (Acari: Cheyletidae) from garlic agrosystems in Turkey. – Int. J. Acarol., **46**(2): 111–116.
- Da Silva Ezequiel O., G.S. Gazeta, M. Amorim, N.M. Serra-Freire. 2001. Evaluation of the acarofauna of the domiciliary ecosystem in Juiz de Fora, State of Minas Gerais, Brazil. – Memórias do Instituto Oswaldo Cruz, **96**(7): 911–916.
- Davies J. H. T. 1941. Cat itch: *Cheyletiella* and *Notoedres* compared. – Brit. J. Dermatol., **53**: 18–24.
- Davies J. H. T., M.G. Kyle. 1969. *Cheyletiella yasguri* infestation of a dog. – N.Z. Vet. J., **17**: 136.
- De Geer C. 1778. Mémoires pour servir à l'histoire des Insectes. Vol.7, Stockholm.
- De Leon D. 1962. Three new genera and seven new species of Cheyletids (Acarina: Cheyletidae). – The Florida Entomologist, **45**(3): 129–137.
- De Leon D. 1967. Some Mites of the Caribbean Area. – Lawrence, Kansas: Allen Press, Inc., 60 p.

- Delfinado M. D., A. A. Khaing – Fields. 1976. Terrestrial mites of New York (Acarina). IV. Cheyletidae and Cheyletiellidae. – J. New York Entomological Society, **84**(3): 189–196.
- Di Palma A., G. Nuzzaci, G. Alberti. 2009. Morphological, ultrastructural and functional adaptations of the mouthparts in Cheyletid mites (Acari: Actiniedida: Cheyletidae). – Internat. J. of Acarology, **35**(6): 521–532.
- Diumina A.V., V.V. Abramov. 2018. Redescription of *Mexechesles virginianiensis* male (Acari-formes: Cheyletidae) from the European part of Russia. – Acarina, **26**(2): 213–217.
- Dodd K. 1970. *Cheyletiella yasguri*: Widespread infestation in a breeding kennel. – Vet. Rec., **86**: 346–347.
- Doğan S., N. Ayyıldız. 2004. The first records of two cheyletid mites from Turkey: *Chelotomimus* (*Hemicheyletia*) *wellsi* (Baker, 1949) and *Hypopicheyla elongata* Volgin, 1969 (Acari: Cheyletidae). – Zootaxa, **583**: 1–4.
- Doğan S., S. Doğan, O. Erman. 2019. *Eutogenes frater* Volgin (): a new member of the acarofauna of Turkey. – Türk Tarım ve Doğa Bilimleri Dergisi, **6**(4): 685–695.
- Doğan S., M. Jalaiean, H. Kamali. 2011. New records of two cheyletid mite species (Acari: Cheyletidae) from Iran. – Turk J. Zool., **35**(5): 781–782.
- Doğan S., B. Kabasakal, S. Doğan. 2019. A long-legged mite species from Turkey: *Cheletomorpha lepidopterorum* (Shaw) (Acari: Cheyletidae). – Erzincan Binali Ildirim University, Journal of Science and Technology, **12**(1): 136–147.
- Domrow R. 1960. The genus *Chelonotus* Berlese (Acarina, Cheyletidae). – Acarologia, **2**: 456–460.
- Domrow R. 1964. The ear mite of squirrels. – The Malayan Nature Journal, **18**: 16–19.
- Domrow R. 1965. Some mite parasites of Australian birds. – Proceeding of the Entomological Society of Washington, **90**: 190–217.
- Domrow R. 1970. The male of *Neochyletiella artami* Domrow (Acari: Cheyletidae). – Proc. Linnean Soc. New South Wales, **94**(3): 273–276.
- Domrow R. 1974. Miscellaneous mites from Australian vertebrates. – Proc. Linnean Soc. New South Wales, **99**(1): 15–35.
- Domrow R. 1991. Acari Prostigmata (excluding Trombiculidae) Parasitic on Australian Vertebrates: an Annotated Checklist, Keys and Bibliography. – Invertebr. Taxon., **4**: 1283–1376.
- Domrow R., E. W. Baker. 1960. Malaysian Parasites XLIV. A new genus of mites from a Thai mongoose (Acarina, Cheyletidae). – Studies of the Institute of Medical Research of Malaya, **29**: 194–197.
- Domrow R., E. W. Baker. 1963. The genus *Nihelia* (Acarina, Cheyletidae). – Acarologia, **5**: 225–231.
- Domrow R., D.J.W. Smith. 1956. Acarina from five hundred native mammals from Queensland. – Proc. Linnean Soc. of New South Wales, **29**(3): 201–206.
- Driunina A.V., V.V. Abramov. 2018. Redescription of *Mexechesles virginianus* male (Acari-formes: Cheyletidae) from the European part of Russia. – Acarina, **26**(2): 213–217.
- Dubinin V.B. 1957. [New system of the superclass Chelicerata]. – Bulletin de la Société des Naturalistes de Moscow, Biologie, **62**: 25–33.

- Dubinin V.B. 1958. New classification of mites of the super-families Cheyletoidea W. Dub. and Demodicoidea W.Dub. (Acariformes, Trombidiformes). – Parasitol. Sborn. Zool. Inst. Akad. Nauk SSSR Leningrad, **17**: 71–136 (in Russian).
- [Dubinina E.V., A.V. Bochkov] Дубинина Е. В., А.В. Бочков. 1989. [New data concerning the ectoparasites of the big-eared *Ochotona* in Kyrghyzstan]. – Entomological Research in Kyrghyzstan, **20**: 107–116 (in Russian).
- Dudich E., G. Kolosváry, L. Szalay. 1940. Bars vármegye pókszabású (Arachnoidea-) faunájának alapvetése. – Budapest, 71 p.
- Dufait R. 1968. *Cheyletiella parasitivorax* bij honden. – Vlaams Diergeheesk., **37**: 162–163.
- Edwards A.R. 1952. Support for the view that *Cheyletus eruditus* Schrank (Acarina, Trombidiformes) has heteromorphic males. – Ent. Mon. Mag., **88**: 107.
- Edwards A.R. 1958. Cleavage in *Cheyletus eruditus* (Acarina). – Nature, London (4620), **181**: 1409–1410.
- Efremova G.A., A.V. Bochkov. 1990. The mites of families Cheyletidae and Cheyletiellidae (Acariformes: Trombidiformes) of the Belorussian fauna. – Vesti AN BSSR, **6**: 98–103 (in Belorussian, summ. Engl.).
- Ehara S. 1962. Mites of greenhouse plants in Hokkaido, with a new species of Cheyletidae. – Annotationes Zoologicae Japonenses, **35**: 106–111.
- Ehara S., I. Abdul Ghani. 1988. Cheyletid mites associated with plants in the Malay Peninsula, with description of a new species (Acarina: Cheyletidae). – Proceedings of the Japan Academy, **64**, ser. B: 237–240.
- Elbadry E. 1969. Two new species of cheyletid mites from milled wheat (Acarina: Cheyletidae). – Journal of Stored Products Research, **5**: 157–167.
- Elbadry E., M. A. Zaher. 1960. First record on the predatory mites of family Cheyletidae in Egypt (Acarina). – Bull. Ent. Soc. Egypte, **44**: 287–290.
- El-Bahrawy A.A., M.A. al-Dakhil. 1993. Studies on the interrelation between rodents and their ectoparasitic acarines in Riyadh region, Saudi Arabia. – J. Egypt Soc. Parasitol., **23**: 675–685.
- Eliopoulos P.A., G.T. Papadoulis. 2001. New records of mites (Acari: Cheyletidae) from stored products with description of a new species in Greece. – Int. J. Acarology, **27**(1): 29–33.
- Enghoff H. 1988. The moth mite *Cheletomorpha lepidopterorum* (Shaw, 1794) new to Denmark. – Entomol. Medd., **56**(1): 49–52.
- Estébanes – González M.L. 1997. Acarofauna en nidos de Aves silvestres en Mexico. – Acta zool. Mex.(n.s.), **71**: 1–15.
- Evans G. O. 1954. Some new and rare species of Acarina. – Proc. Zool. Soc. London, **123**: 793–811.
- Ewing H. E. 1909a. New North American Acarina. – Trans. Ac. Sci. of St. Louis, **18**: 53–77.
- Ewing H. E. 1909b. A Systematic and Biological Study of the Acarina of Illinois. – University of Illinois. The University Studies, **3**(6): 119 pp.
- Ewing H. E. 1912. The life history and habits of *Cheyletus seminivorus* Packard. – J. econ. Entomol., **5**: 415–420.

- Ewing S. A., J. E. Mosier, T. S. Fox. 1967. The occurrence of *Cheyletiella* spp. on dogs with skin lesions. – J. Am. Vet. Med. Ass., **151**: 64–67.
- Eyndhoven G. L. van. 1964. *Cheletomorpha lepidopterorum* (Shaw, 1794) (= *Ch. venustissima*) (Acari, Cheyletidae) on Lepidoptera. – Beaufortia, **11** (136): 53–60.
- Eyndhoven G. L. van. 1970. Further notes on *Cheletomorpha lepidopterorum* (Acari: Cheyletidae), transported by Lepidoptera. – Entomol. Berichten, **30**: 24–25.
- Ezequiel O. da Silva, G. Salles Gazêta, M. Amorim, N. Maués Serra-Freire. 2001. Evaluation of the Acarofauna of the domiciliary ecosystem in Juiz de Fora, State of Minas Gerais, Brazil. – Mem. Inst. Oswaldo Cruz, Rio de Janeiro, **96**(7): 911–916.
- Ezequiel O. da Silva, G. S. Gazêta, N. M. da Serra Freire. 2003. Dermatological manifestations caused by mites of the Cheyletidae family: a case report. – Anais Bras. Dermatol., **78**(1): 1–5.
- Fain A. 1972. Notes sur les acariens des familles Cheyletidae et Harpyrhynchidae producteurs de gale chez les oiseaux ou les mammifères. – Acta Zoologica et Pathologica Antverpiensia, **56**: 37–60.
- Fain A. 1974. *Teinocheylus longissimus* n.g., n.sp. a new fur mite from *Pectinator spekei* (Cheyletidae: Trombidiformes). – Acarologia, **16**: 271–273.
- Fain A. 1979a. Cheyletidae (Acari, Prostigmata) parasitic on Afrotropical primates, Carnivora and rodents. – Revue de Zoologie africaine, **93**: 621–632.
- Fain A. 1979b. New Cheyletidae from Afrotropical swifts (Apodidae). – International Journal of Acarology, **5**: 253–258.
- Fain A. 1979c. Acariens du genre *Cheyletus* (Prostigmata: Cheyletidae) récoltés dans la Région afrotropicale. – International Journal of Acarology, **5**: 275–284.
- Fain A. 1979d. Idiosomal and leg chaetotaxy in the Cheyletidae. – International Journal of Acarology, **5**: 305–310.
- Fain A. 1979e. Notes on the genera *Cheletoides* Oudemans and *Metacheletoides* Fain (Acarina, Cheyletidae) with description of three new species. – Revue de Zoologie africaine, **93**: 1011–1025.
- Fain A. 1979f. Observations on cheyletid mites parasitic on mammals (Acari, Cheyletidae and Cheyletiellidae). – Acarologia, **21**: 408–422.
- Fain A. 1980a. Notes on some poorly known species of the genus *Neocheyletiella* Baker, 1949 (Acari: Cheyletidae) with a key to the genus. – Systematic Parasitology, **2**: 25–39.
- Fain A. 1980b. Le genre *Bakericheyla* Volgin (Acari, Cheyletidae) dans la Région Afrotropicale. Description d'une espèce nouvelle. – Revue de Zoologie africaine, **94**(1): 133–137.
- Fain A. 1980c. Notes on genera *Samsinakia* Volgin, 1965 and *Metacheyletia* Fain, 1972 (Acari: Cheyletidae). – International Journal of Acarology, **6**: 103–108.
- Fain A. 1981. Revision of the genus *Ornithocheyletia* Volgin, 1964 (Acari: Cheyletidae). – Systematic Parasitology, **2**: 181–205.
- Fain A. 1982. Three new species of *Cheyletus* from Afrotropical region and Madagascar (Acari, Cheyletidae). – Revue de Zoologie africaine, **96**: 79–89.
- Fain A. 1984. *Samsinakia gonocephalum* n. sp., a new cheyletid mite from an Afrotropical beetle *Gonocephalum simplex* Fab. (Acari, Cheyletidae). – Revue de Zoologie africaine, **98**: 684–688.

- Fain A. 2003. Two new species of Cheyletidae (Acari Prostigmata) of the genera *Neoeucheyla* Radford, 1950 and *Granulocheyletus* Fain & Bochkov, 2002. – Bulletin S.R.B.E./K.B.V.E., **139**: 97–101.
- Fain A., F. Ardeshtir. 2000. Notes on the genus *Neoeucheyla* Radford, 1950 (Acari : Cheyletidae) with description of a new species from Iran. – Int. J. of Acarology, **26**(4): 329–334.
- Fain A., A. Bochkov. 2001a. A review of the genus *Cheyletus* Latreille, 1776 (Acari: Cheyletidae). – Bull. Inst. Roy. Sci. Nat. Belg., Entomologie, **71**: 83–114.
- Fain A., A. Bochkov. 2001b. Observations on the taxonomic status of some cheyletid genera (Acari Cheyletidae). – Belgian Journal of Entomology, **3**: 291–301.
- Fain A., A. Bochkov. 2001c. A review of some genera of cheyletid mites (Acari: Prostigmata) with descriptions of new species. – Acarina, **9**(1): 47–95.
- Fain A., A. Bochkov. 2002a. On some new or little known species of parasitic Cheyletidae (Acari : Prostigmata). – Acarologia, **42**(2): 145–160.
- Fain A., A. Bochkov. 2002b. A new genus and species of Cheyletid mite (Acari : Cheyletidae) from a cave in Western Australia. – Internat. J. Acarol., **28**(1): 37–40.
- Fain A., A. Bochkov. 2003. A new species of the genus *Metacheyletia* Fain, 1972 (Acari: Cheyletidae) parasitizing *Serinus mozambicus* (Passeriformes: Fringillidae) in Central Africa. – Internat. J. Acarol., **29**(2): 119–121.
- Fain A., A. Bochkov, L.A. Corpuz-Raros. 2002. A revision of the *Hemicheyletia* generic group (Acari: Cheyletidae). – Bull. Inst. Roy. Sci. Nat. de Belgique, Entomologie, **72**: 27–66.
- Fain A., B. Feldman-Muhsam, Y. Mumcuoglu. 1980. *Cheyletus tenuipilis* n.sp. (Acari: Cheyletidae), nouvel acarien des poussières de maisons en Europe occidentale et en Israël. – Bulletin et Annales de la Société royale belge d'Entomologie, **116**: 35–44.
- Fain A., P. Gerrits, F. S. Lukoschus. 1982. *Teinocheylus gundii* spec. nov. from *Ctenodactylus gundi* (Acari, Cheyletidae). – Revue de Zoologie africaine, **96**: 448–456.
- Fain A., F. S. Lukoschus. 1981a. Two new species of the genus *Cheyletus* Latreille, 1776 (Acari, Cheyletidae) from South African gerbils. – Bulletin de l'Institut royal des Sciences naturelles de Belgique, **53**: 1–7.
- Fain A., F. S. Lukoschus. 1981b. Two new species of *Cheyletus* Latreille, 1776 (Acari, Cheyletidae, Prostigmata) from gerbils. – Rivista di Parassitologia, **42**: 121–125.
- Fain A., F. S. Lukoschus. 1985. Description of a new species in the genus *Criokeron* Volgin, 1966 and of the male of *Criokeron quintus* (Domrow and Baker) (Acari: Cheyletidae). – Acarologia, **26**: 261–268.
- Fain A., F. S. Lukoschus, M. Nadchatram. 1980. Two new species of *Cheletophyes* Oudemans, 1914 (Prostigmata: Cheyletidae) from the nest of a carpenter bee in Malaysia. – International Journal of Acarology, **6**: 309–312.
- Fain A., M. Nadchatram. 1980. Cheyletid parasites of commensals in Malaysia (Acari: Cheyletidae). – International Journal of Acarology, **6**: 191–200.
- Fain A., L. Scheepers, W. De Groot. 1982. Dermatite prurigineuse de longue durée chez une femme, produite par l'acarien parasite du chien *Cheyletiella yasguri* Smiley. – Rev. Méd. Liège, **37**(18): 623–624.

- Fain A., R. L. Smiley, U. Gerson. 1997. New observations on the chaetotaxy and solenidiotaxy in the Cheyletidae (Acari: Prostigmata). – Bulletin de l'Institut royal des Sciences naturelles de Belgique, **67**: 65–87.
- Fang Lin, Qian Kaiming, Gao Cheng. 1991. The report on rabbit cheyletid fur mite and rabbit lishrophorid fur mite. – J. Shanghai Agricult. College, **9**(2): 126–128.
- Favati N., J. Galliano. 1962. Infestione da *Cheyletiella parasitivorax* (Megnin, 1878) nel cane. – Parassitologia, **4**: 69–73.n
- Feldman-Muhsam B., Y. Mumcuoglu, T. Osterovich. 1985. A survey of house dust mites (Acari, Pyroglyphidae and Cheyletidae). – J. Med. Entom., **22**: 663–669.
- Feres R.J.F., C.H.W. Flechtmann. 1995. Mites (Acari) associated with bamboo (*Bambusa* sp., Poaceae) in a wood area from northwestern Sao Paulo State, Brazil. – Rev. Bras. Zool., **12**(3): 533–546.
- Flechtmann C. H. W. 1968. Nota sobre ácaros de produtos armazenados. – Solo, Piracicaba, **40**(1): 63–65.
- Flechtmann C. H. W. 1971. Alguns Trombidiformes do Brasil e do Paraguai (Acari). Escola Superior de Agricultura «Luiz de Queiroz», Universidade de Sao Paulo, Piracicaba, Brasil, 63 pp.
- Fox T. S., S. A. Ewing. 1969. Morphologic features, behavior and life history of *Cheyletiella yasguri*. – Am. J. Vet. Res., **30**(2): 269–284.
- Franz H. 1954. Ordnung Acarina. – In: H. Franz. Die Nordost-Alpen im Spiegel ihrer Landtierwelt. Universit. Verlag Wagner, Innsbruck: 329–452.
- Fuangsarn M., Ch. Lekprayoon. 2010. Two new species of cheyletid mites (Acari: Prostigmata) from Thailand. – Zootaxa, **2494**: 59–68.
- Furman D. P., O. E. Sousa. 1968. Morphology and biology of a nest producing mite, *Bakericheyla chanayi* (Acarina: Cheyletidae). – Ann. Ent. Soc. Amer., **62**(4): 858–863.
- Garman P. 1948. Mite species from apple trees in Connecticut. – Conn. Agric. Exp. Sta. New Haven Bull., **520**: 1–27.
- Garrett L.E., F.H. Haramoto. 1967. A catalogue of Hawaiian Acarina. – Proc. Hawaii. Ent. Soc., **19**, 1966: 381–414.
- George J.B.D., S. Otoo, J. Ogunleye, B. Adedimiyi. 1992. Louse and mite infestation in domestic animals in northern Nigeria. – Tropical Animal Health and Production, **24**(2): 121–124.
- Gerson U. 1967. Some Cheyletid and Pseudocheyletid mites from Israel. – Acarologia, **9** (2): 359–369.
- Gerson U. 1968. *Caudacheles*, a new genus in the family Cheyletidae (Acarina: Prostigmata). – Acarologia, **4** (10): 645–649.
- Gerson U. 1971. The mites associated with citrus in Israel. – Israel J. Entomol., **6**: 5–22.
- Gerson U. 1994. The Australian Cheyletidae (Acari: Prostigmata). – Invertebrate Taxonomy, **8**: 435–447.
- Gerson U., A. Fain. 1991. A new species of *Bak* (Acari: Cheyletidae) from Thailand, with a key to species. – Acarologia, **32**(1): 17–21.
- Gerson U., A. Fain, R. L. Smiley. 1999. Further observations on the Cheyletidae (Acari), with a key to the genera of the Cheyletinae and a list of all known species in the family. – Bull. Inst. r. Sci. Nat. Belg. Ent., **69**: 35–86.

- Gerson U., R. L. Smiley. 1990. Acarine Biocontrol Agents: An Illustrated Key and Manual. Chapman and Hall, pp. 174.
- Gething M.A. 1973. *Cheyletiella* infestations in small animals. – Vet. Bull., **43**(2): 63–69.
- Goff L. M. 1982. A new species of *Hemicheyletia* (Acari: Cheyletidae) from Kure Atoll, north-western Hawaiian Islands. – Proceedings of the Hawaiian Entomological Society, **24**: 83–86.
- Goff L. M. 1983. Mites from Kahoolawe I. soil and litter./ *Ornithocheyletia leiothrix* Fain and *Neocheyletiella media* Fain. / *Dematophagoides evansi* Fain. – Proceedings, Hawaiian Entomological Society, **24**(2/3): 157–158.
- Goff M. L. 1987. A Catalog of Acari of the Hawaiian Islands. – Research Extension Series 075, 75 pp.
- Gorgol V.T., V.I. Petrova. 1989. New data about predation of mite *Cheletomorpha lepidopterorum*. – Proc. Latvian Acad. Sci., **8**, 505: 105–108.
- Gorgol V.T., A.V. Yastrebtsov. 1989. Skeleto-muscular system in some cheyletid mites (Trombidiformes: Cheyletidae). – Vestn. Zool., 1989(4): 74–81.
- Griffiths D.A. 1960. Some field habitats of mites of stored food products. – Ann. Appl. Biol., **48**(1): 134–144. doi:10.1111/j.1744-7348.1960.tb03512.x
- Gueye-N'Diaye A., A. Fain. 1987. Note sur les acariens des denrées alimentaires au Sénégal. – Revue Zool. afr., **101**: 365–370.
- Guilhon J., Marchand. 1974. Une nouvelle espèce d'acarien pellicole en France. – C.r. hebd. Séanc. Acad. Sci. Paris (Sér.D), **278**(1): 73–74.
- Guilhon J., J. Euzeby. 1984. A new species of Cheyletidae parasite of cage-birds. – Bull. Acad. Vet. de France, **57**(4): 495–500.
- Gupta S. K. 1991. Studies on predatory prostigmatid mites of northeast India with descriptions of new species and new records from India. – Records of the Zoological Survey of India, **88**: 207–239.
- Gupta S.K. 2002. Memoirs of the Zoological Survey of India: Volume 19: Number 2: A Monograph on Plant Inhabiting Predatory Mites of India: Part I: Orders: Prostigmata, Astigmata and Cryptostigmata. 183 pp.
- Gupta S.K., S. Chattopadhyay. 1978. Studies on acari associated with bird nests in Bengal, India. – Indian J. Acarol., **3**: 77–86.
- Gupta S.K., S.K. Ghosh. 1980. Some prostigmatid mites (Acarina) from Andaman and Nicobar Islands. – Record zool. Survey of India, **77**(1–4): 189–213.
- Gupta S. K., K. Paul. 1985. Some mites associated with birds' nests in West Bengal, with descriptions of eleven new species. – Bull. Zool. Survey of India, **7**(1) : 1–23
- Gupta S.K., K. Paul. 1987. Some mites associated with birds' nests in West Bengal, with descriptions of eleven new species. – Bulletin of the Zoological Survey of India, **7**: 1–23.
- Gupta S. K., K. Paul. 1992. Nest associated acarines of India with descriptions of seven new species and notes on other arthropod associates. – Entomon, **17**: 71–86.
- Haarlov N. 1942. A Morphologic-Systematic-Ecological Investigation of Acarina. – Meddel. Grønland, **128**(1): 1–71.

- Haarløv N., J. Mørch. 1975. Interaction between *Ornitocheyletia hallae* Smiley 1970 (Acarina: Cheyletiellidae) and *Micromonospora chalcea* (Foulerton 1905) Orskov 1923 (Streptomycetaceae, Actinomycetales) in the skin pigeon. – *Acarologia*, **17** (2): 284–299.
- Hafiz A. 1935. The embryological development of *Cheyletus eruditus*. – *Proc. Roy. Soc. London Ser. B* **117**: 174–201.
- Haghighi R., H. Ostovan. 2011. The first report of *Caudacheles khayae* (Acari: Cheyletidae) associated with elm bark beetles in Iran. – *Plant protection J.*, **3**(1): 79–84.
- Haines C. P. 1988. A new species of predatory mite (Acarina: Cheyletidae) associated with bostrichid beetles on dried cassava. – *Acarologia*, **29**(4): 361–375.
- Haitlinger R. 1982. Acarina (Myobiidae, Cheyletidae, Pygmephoridae, Trombiculidae, Dermanyssidae) nowe lub rzadkie w faunie Polski. – *Wiadomości Parazytol.*, **28**(3–4): 435–444 (in Polish, summ. Engl.).
- Haitlinger R. 2000. *Cheyletophyes aurorae* n.sp. (Acari: Prostigmata: Cheyletidae) from Xylocopinae (Hymenoptera: Anthophoridae) in Tanzania. – *Zeszyty naukowe Akademii rolniczej we Wrocławiu, Zootechnika XLVII*, **400**: 85–89.
- Haitlinger R., A. Jankowska. 2005. Arthropods occurring on *Rattus norvegicus* (Berkenhout, 1769)(Rodentia: Muridae) in Poland. – *Zeszyty naukowe Akademii rolniczej we Wrocławiu*, **529**, *Zootechnika LIII*: 35–44.
- Haitlinger R., G. Walter. 1997. Data relating to the distribution and host-specificity of bat-infesting mites (Acari, Mesostigmata, Prostigmata, Astigmata) in Germany. – *Drosera*, **97**(2): 95–112.
- Hajizadeh J., J. Noei, L. Salehi, H. Ostovan. 2011. Cheyletid mites associated with stored rice in Iran, the first record of *Chelacheles strabismus* from Iran and a key for their identification. – *J. Entomol. Soc. Iran*, **30**(2): 85–88.
- Haq I., M. Afzal. 2007. Mites associated with stored grains and their products in Faisalabad district. – *African Crop Science Conference Proceedings*, **8**, 2205–2207.
- Haq A., A.K. Khan, A.B. Riaz, A. B. Rasool. 2004. Studies on the taxonomy of two new species of genus *Acaropsis* Moquin-Tandon (Acarina: Cheyletidae) from Pakistan along with an old species with new host and locality. – *Journal of Agricultural Research*, **42**: 181–190.
- Haq A., M.A. Zia. 2001a. Two new species of genus *Acaropsis* Moquin-Tandon (Acarina: Cheyletidae) from Pakistan. – *Journal of Agricultural Research*, **39**: 59–66.
- Haq A., M.A. Zia. 2001b. Taxonomic studies of two new species of genus *Acaropsis* Moquin-Tandon (Acarina: Cheyletidae) from Pakistan. *Journal of Agricultural Research*, **39**: 67–75.
- Hallas Th. E. 1978. Fortegnelse over danske mider (Acari). – *Ent. Meddr.*, **46**: 27–45.
- Haller G. 1882. Beitrag zur Kenntniss der Milbenfauna Württembergs. – *Jh. Ver. Vaterl. Naturk. Württemberg*, **38**: 293–325.
- Haller G. 1884. Beschreibung einiger neuen Milben. – *Arch. f. Naturgesch.*, **50**(2): 217–235.
- Halliday B. 1998. Mites of Australia. A Checklist and Bibliography. – *Monographs on Invertebrate Taxonomy*. Vol.5. CSIRO: 317 pp.
- Halliday B., M. Kamran, M.H. Bashir. 2018. Checklist of the mites of Pakistan. – *Zootaxa*, **4464**: 178 pp.

- Hara J. 1955. A new species of the Cheyletid mite found on tatami, Japanese rice straw matting. – Japan J. Exp. Med., **25**: 69–70.
- Hara J., M. Hanada. 1960. On a newly recorded mite, *Eutogenes narashinoensis* new species, from Japan (Acarina: Cheyletidae). – Jap. J. San. Zool., **11**: 25–27.
- Harju A., T. Husman, R. Merikoski, S. Pennanen. 2006. Exposure of workers to mites in Finnish groceries. – Ann. Agric. Environ. Med., **13**: 341–344.
- Hart C.B., J.C. Malone. 1958. The occurrence of the rabbit fur mite, *Cheyletiella parasitivorax* (Mégnin, 1878), on the dog. – Ver. Rec., Lond., **70**: 991–993.
- Hassan M. F., E. A. Gomaa. 1982. A new species of the genus *Chelacheles* from Egypt (Acarina: Cheyletidae). – Bull. of the Zoological Society of Egypt, **31**: 115–117.
- Hassan M. F., M.A. Rakha. 1982. Cheyletid mites inhabiting rat burrows in Egypt, with description of new species *Cheyletus zaheri* (Actiniedida: Cheyletidae). – Bulletin of the Zoological Society of Egypt, **31**: 87–90.
- Heller A. 1880. Die Schmarotzer mit besonderer Berücksichtigung der für Menschen wichtigen – Die Naturkräfte, **30**: 186–188.
- Hessling Th. von. 1852. Einige Notizen über den Weichselzopf. – Illustr. Med. Zeit., **1**(5): 255–259.
- Hirst S. 1914. Preliminary list of the Acari occurring on the brown rat (*Mus norvegicus*) in Great Britain, with the description of a new species (*Haemogamasus oudemansi*). – Bull. Ent. Res., **5**(2): 119–124.
- Hirst S. 1917. On the occurrence of the pseudoparasitic mite *Cheyletiella parasitivorax* (Mégnin) on the domestic cat. – Ann. Nat. Hist. Ser.8, **20**: 132–133.
- Hoffmann A., F.A. Cervantes, J.B. Morales-Malacara. 1994. Ectoparasitos del conejo zacatuche (*Romerolagus diazi*). – Anales Inst. Biol. Univ. Nac. Autón. México, Ser. Zool., **65**(1): 209–215.
- Hoffmann A., G. López-Campos. 2000. Biodiversidad de los ácaros en México. 1 st Ed., Conabio, México D.F., México, 230 pp.
- Htut T. 1994. A case study of bite reactions in Man and domestic dust samples that implicate the house dust mite predator *Cheyletus malaccensis* Oudemans (Acari: Cheyletidae). – Indoor and Built Environment, **3**(2): 103–107.
- Hu Jian-De. 1992. On the morphology of the genus *Cheyletiella* and a description of a new species from Xinjiang, China (Acari: Cheyletiellidae). – Acta Zootaxonomica Sinica, **17**(2): 183–188.
- Hu J. – D., G. Hou. 1992. On the morphology of the genus *Cheyletiella* and description of a new species from Xinjiang, China (Acari: Cheyletiellidae). – Acta Zootaxonomica Sinica, **17**: 183–188 (in Chinese with English Abstract).
- Hughes A. M. 1948. The Mites associated with stored food products. London: 1–166.
- Hughes A. M. 1957. Silk production in the Cheyletidae (Acarina: Arachnida). – Nature, **180**: 815–816.
- Hughes A. M. 1959. Mites, or the Acari. – Univ. of London, The Athlone Press, 225 pp.
- Hughes A. M. 1961. The Mites associated with stored food products. London: 1–287.
- Hughes T. E. 1958. The respiratory system of the mite *Cheyletus eruditus* (Schrank, 1781). – Proc. Zool. Soc. Lond., **130**(2): 231–239.

- Hull J.E. 1918. Terrestrial Acari of the Tyne Province. – Trans. Nat. Hist. Soc. Northumb. (N.S.), 5(1): 13–88.
- Humphreys M. 1958. *Cheyletiella parasitivorax* infestation of the dog. – Vet. Rec., Lond., 442.
- Ide G. S., J. B. Kethley. 1977. *Thewkachela ratufi* n.g. n.sp., an unusual new cheyletid mite (Cheyletidae: Acariformes) from giant squirrel, *Ratufa*, (Sciuridae: Rodentia) in Sabah and Thailand. – Annals of the Entomological Society of America, 70: 559–562.
- Jablonowski J. 1918. Ordo Acarina. In: Fauna Regni Hungariae, Budapest: 2–5.
- Jeffrey I. G. 1976. An undescribed species of *Mexeches* (Acarina: Cheyletidae) from Scottish farm. – Acarologia, 17(4), 1975: 668–670.
- Jeffrey I. G. 1978. The female and juvenile stages of *Mexeches votandinii* Jeffrey (Acarina: Cheyletidae) with further notes on the male. – Acarologia, 19(4)(1977): 654–657.
- Jeffrey I. G. 1980. A new *Cheyletus* (Acarina: Cheyletidae) from a bat-roost. – Acarologia, 21(1)(1979): 46–54.
- Jeffrey I. G., J. B. Campbell 1975. A new species of *Hemicheyletia* (Acarina: Cheyletidae). – Journal of Stored Product Research, 11: 103–105.
- Kamali K., H. Ostovan, A. Atamehr. 2001. A catalog of mites & ticks (Acari) of Iran. Islamic Azad University Scientific Publication Center, 196 pp.
- Kamran M., B.S. Khan, Z. Nazir. 2005. A new predatory mite species of the genus *Hemicheyletia* (Cheyletidae: Acarina) from Punjab, Pakistan. – Pak. J. Agri. Sci., 42(3–4): 52–54.
- Kanavel R.F., A.G. Selhime. 1967. Biological studies on *Paracheyleta bakeri* (Acarina: Cheyletidae). – Fla Ent., 50: 107–113.
- Karpelles L. 1884a. Beiträge zur Naturgeschichte der Milben. – Berl. Entomol. Zeitschr., 28: 1–34.
- Karpelles L. 1884b. Neue Milben. – Berl. Entomol. Zeitschr., 28(2): 231–244.
- Kazemi Sh., S. Paktinat-Saeij. 2021. First record of *Samsinakia trilobitus* (Prostigmata, Cheyletidae) from Iran. – Persian Journal of Acarology, 10(1): 107–110.
- Keh B. 1973. Dermatitis in man traced to dog infested with *Cheyletiella yasguri* Smiley (Acari: Cheyletiellidae) – in California. – Calif. Vector Views, 20(10–12): 77–79.
- Keh B. 1975. Intense pruritis in man and concurrent infestation of *Cheyletiella blakei* Smiley on cats in the home in California. – Vect. Views, 22(1): 1–4.
- Keh B., R. S. Lane, S. P. Shachter. 1987. *Cheyletiella blakei*, an ectoparasite of cats, as cause of cryptic arthropod infestations affecting humans. – Western Journal of Medicine, 146: 192–194.
- Kethley J. B. 1990. Acarina: Prostigmata (Actinedida). In: Dindal, D. (ed), Soil Biology Guide, John Wiley, New York, pp. 667–756.
- Khan A. W. 1970. Some very common and highly destructive mites: Acarina in mango buds in West Pakistan. – Science in India, 7: 276–279.
- Khaustov A.A., P. Klimov, V.A. Trach, A.N. Bobylev, V.M. Salavatulin, V.A. Khaustov, A.V. Tolstikov. 2018. Review of mites (Acari) associated with the European spruce bark beetle, *Ips typographus* (Coleoptera: Curculionidae: Scolytinae) in Asian Russia. – Acarina, 26(1): 3–79.
- Khaustov A.A. 2021. Review of free-living predatory cheyletid mites (Acari: Cheyletidae) of Western Siberia, Russia. – Systematic & Applied Acarology, 16(1): 199–239.

- Kivganov D. A., A. I. Bochkov 1994. A new mite species of the genus *Cheletopsis* (Acari: Cheyletidae). – Vestnik Zoologii 1994, 2: 39–43.
- Klimov P.B. 1997. [Data on the biology and systematics of *Paracaropsis travisi* (Acari, Cheyletidae), a new mite for Russia]. – Fundamental'nye problemy okhrany okr. Sredy, 1(9–10): 9–11, Vladivostok (in Russian).
- Klimov P.B., A.V. Bochkov, B.M. OConnor. 2006. Host specificity and multivariate diagnostics of cryptic species in predacious cheyletid mites of the genus *Cheletophyes* (Acari: Cheyletidae) associated with large carpenter bees. – Biological Journal of the Linnean Society, 87: 45–58.
- Klompen J. S. H., E. Mendez, F. S. Lukoschus. 1984. A new species of the genus *Cheletophyes* Oudemans, 1914 (Prostigmata: Cheyletidae) from the nest of a carpenter bee in Panama. – Acarologia, 25: 249–251.
- Koch C.L. 1839. Deutschlands Crustaceen, Myriapoden und Arachniden. Fasc. 23, Regensburg.
- Koffman M., P. Viriden. 1949. On the occurrence *Cheyletiella parasitivorax* in cats and rabbits. – Nord. Vet. Med., 1: 449–454.
- Koç K. 1998. A new record of *Acaropsella* Volgin (Acari: Prostigmata, Cheyletidae) for the fauna of Turkey. – Turkish Journal of Zoology, 22(3): 195–197.
- Koç K., N. Ayyıldız. 1995. A new species of *Microcheyla* from Turkey (Acarina: Cheyletidae). – Genus, 6: 225–228.
- Koç K., N. Ayyıldız. 1996. Türkiye faunası için yeni iki cheyletid (Acari, Prostigmata, Cheyletidae) türü. – Turkish Journal of Zoology, 20: 215–221.
- Kolebinova M. 1967. Faunistic studies on some Acari of the families Myobiidae and Cheyletidae, parasitizing small mammals in Bulgaria. – Bull. Inst. Zool. Mus., 25: 73–77 (In Bulg., summ. Rus., Engl.).
- Kral F., J. P. Uscavage. 1960–61. *Cheyletiella parasitivorax* infestation in a dog. – J. Small Anim. Pract., 1: 277–278.
- Kramer P. 1877. Grundzüge zur Systematik der Milben. – Archiv f. Naturgeschichte, 43: 215–247.
- Kucerova Z. 2004. Stored product psocids as one of the preys of the of the predatory mite *Cheyletus eruditus* (Schrank)(Acarina, Cheyletidae). – IOBC/WPRS Bull., 27(9): 191–195.
- Kumada N., H. Itoh, Ch. Suto, S. Mizuno, K. Uchikawa. 1978. *Pipistrellus abramus* (Temminck) as a nuisance in the Tokai district, Japan, and arthropods associated with this bat. – Medical entomology and zoology, 29(3): 261–263.
- Kumar P., H. Naqi. 1990. Study of host stage density effect on cannibalism in *Acaropsis sollers* predatory mites and its role as a biological control agent (Acari, Cheyletidae). – Indian J. Helminthol., 42(1): 21–24.
- Kutzer E. 1963. Über eine echte Raubmilbenräude beim Hund, hervorgerufen durch *Cheyletiella parasitivorax* (Méglin, 1878). – Wien. Tierarztl. Monatsschr., 50(8): 784–788.
- Kuznetsov N. N. 1977. On the fauna of Cheyletid mites (Acariformes, Cheyletidae) of the Crimea. – Revue d'Entomologie de l'URSS, 56(4): 923–928 (in Russian with English summary).

- Kuznetsov N.N., Petrov, V.M. 1984. Predatory Mites of Baltic States. Zinatne, Riga, 143.
- Latreille P. 1796. *Precis de caractères génériques des insectes, disposés dans un ordre naturel*. An. 5 (1797), Paris.
- Lawrence R. F. 1948. Some new pilicolus mites from South African mammals. – *Parasitology*, **39**: 39–42.
- Lawrence R. F. 1954. The known African species of Cheyletidae and Pseudocheyletidae (Acarina, Prostigmata). – *Ann. Natal Mus.*, **13**(1): 65–77.
- Lawrence R. F. 1959. New mite parasites of African birds (Myobiidae, Cheyletidae). – *Parasitology*, **49**(3–4): 416–438.
- Lawrence R. F. 1961. In F. Zumpt, ed. *The Arthropod parasites of vertebrates in Africa south of the Sahara*. Publ. South African Inst. Med. Res., **11**: 1–457.
- Leach W.E. 1815. A tabular view of the external characters of four classes of animals, etc. – *Trans. Linn. Soc. London*, **11**: 399.
- Lekprayoon C., R. L. Smiley. 1986. *Chelacaropsis moorei* Baker (Acari: Cheyletidae): redescription of the male and female. – *International Journal of Acarology*, **12**: 69–72.
- Lin J., H. Liu. 1994. A new species of *Cheletogenes* (Acari: Cheyletidae) from Fujian. – *Entomotaxonomia*, **16**: 218–224.
- Lin J., W. Pen, Y. Chen. 1994. A new species of the genus *Hemichyletia* Volgin from Fujian (Acari: Cheyletidae). – *Wuyi Science Journal*, **11**: 141–143.
- Lin Jian-zhen, Yan-xuan Zhang. 1997. Three new species and a new record of Cheyletinae from Fujian (Acari: Cheyletidae). – *Wuyi Science Journal*, **13**: 131–138.
- Lin Jian-zhen, Yan-xuan Zhang. 2000. Cheyletoidea. In: *Insect fauna of Fujian*. Fujian Science & Technology Press, 184–197 (in Chinese).
- Lin J.-Z., Y.-X. Zhang, M. Yang. 1997. Two new records of the Cheyletinae from China (Acari: Cheyletidae). – *Acta Zootaxonomica Sinica*, **22**(4): 367.
- Lin J.-Z., Y.-X. Zhang, M. Yang. 1998. Two new records of the Cheyletinae from China (Acari: Cheyletidae). – *Acta Zootaxonomica Sinica*, **23**(3): 336.
- Lin J.-Z., Y.-X. Zhang, Yanxuan Zhang, Qiaoyun Liu, Jie Ji. 2000. Checklist of mites from moso bamboo in Fujian, China. – *Syst. & Applied Acarology, Special Publ.* **4**: 81–92.
- Lindholm A.K., G.J. Venter, E.A. Ueckermann. 1998. Persistence of passerine ectoparasites on the diederik cuckoo *Chrysococcyx caprius*. – *J. of Zoology*, **244**(1): 145–153.
- Lomholt S., O. Jersild, H. Boas. 1917. To Tilfaelde af Dyrfnat hos Mennesket (*Cheyletiella parasitivorax*) – *Dansk. dermatologisk Selskabs Mode* 2. – *Maj. Hospitalstid*, **61**: 1098–1099.
- Louadi K., P. Robaux. 1992. Etude des populations d'Acariens pulvicoles dans l'Est algérien selon les gradients climatiques propres à cette région. – *Acarologia*, **33**(2): 177–191.
- Lucza Z., G. Ripka, K. R. Saly. 1996. Data to the Cheyletidae fauna of Hungary. – *Folia Entomologica Hungarica*, **57**: 105–108.
- Lukáš J., V. Stejskal, V. Jarošík, E. Zďárkova. 2007. Differential natural performance of four *Cheyletus* predatory mite species in Czech grain stores. – *J. of Stored Products Research*, **43**(1): 97–102.
- Lung-Shut L. 1984. Stored grain mites in China. Their distribution and effects. In: Griffiths D.A., C.A. Bowman (Eds). *VI*, 2: 1002–1005.

- Macchioni F. 2003. Observations on the pidgeon Cheyletiellidae Volgin, 1966. – *Annali della Facoltà di Medicina veterinaria*, **56**: 75–82.
- Macchioni F., M. Magi, F. Mancianti & S. Perrucci. 2005. Phoretic association of mites and Mallophaga with the pigeon fly *Pseudolynchia canariensis*. – *Parasite*, **12**(3): 277–279.
- Macchioni F., Magi, M., F. Mancianti. & S. Perrucci. 2009. Aspectos da associação forética dos ácaros *Myialges* spp. (Astigmata: Epidermoptidae) *Ornithocheyletia hallae* Volgin (Prostigmata: Cheyletidae) com a mosca *Pseudolynchia canariensis* (Macquart) (Diptera: Hippoboscidae). – *Neotropical Entomology*, **38**: 578–81.
- Malaban J.M., L.A. Corpuz-Raros. 1998. Mites associated with *Apis mellifera* Linnaeus and *Apis cerana* Fabricius in the Southern Tagalog Region, Philippines. – *Philippine Entomologist*, **12**: 123–135.
- Marchiondo A.A., T.S. Foxx. 1978. Scanning electron microscopy of the solenidion on genu I of *Cheyletiella yasguri* and *C. parasitivorax*. – *J. Parasitol.*, **64**: 925–927.
- Mariana A., T.M. Ho, M. Sofian – Azirun, A.L. Wong. 2000. House dust mite fauna in the Klang Valley, Malaysia. – *Southeast Asian J. Trop. Med. Public Health*, **31**(4): 712–721.
- Mathur S., R. B. Mathur. 1981. *Hemicheyletia hissariensis*, a new species of cheyletid mite from India. – *Acarologia*, **7**: 69–70.
- McClure H. Elliott, N. Ratanaworadhan et al. 1973. Some ectoparasites of the birds of Asia. – 219 pp.
- McGregor E.A. 1956. The mites of citrus trees in southern California. – *Mem. So. Calif. Acad. Sci.*, **3**(3): 1–24.
- Mégnin P. 1878. Mémoire sur un nouveau groupe d'Acariens, les Cheylétides parasites. – *Journ. de l'Anatomie et de la Physiologie*, **14**(3): 416–441.
- Mégnin P. 1883. Sur le *Cheiletus heteropalpus* Mégnin parasite auxiliaire des oiseaux et sur sa nidification. – *Bull. Soc. Zool. Fr.*, **8**(3) : 157–160.
- Mégnin P. 1892. Les acariens parasites. *Encyclopédie scientifique des aide-mémoires dirigée par M. Léauté*. Paris, 1–182.
- Mehl R. 1978. Henvendelser angående skadedyr, ektoparassiter og andre plagsomme dyr i 1972–1976. – *Fauna*, **31**: 250–267.
- Merhnejad M.R., E.A. Ueckermann. 2001. Mites (Arthropoda, Acari) associated with Pistachio trees (Anacardiaceae) in Iran (I). – *Syst. Appl. Acarol.*, **6**: 1– 12.
- Mertins J.W., A. Bochkov. 2014. Key to Species of the Genus *Neocheyletiella* (Acariformes: Cheyletidae), With Description of a New Species. – *J. Med. Entomol.*, **51**(6):1116–1121.
- Metwally A.M., · A. A. Abdallah, H. Gamaleldein, H.M. Elbeltagy. 2016. Mites associated with stored products 2016. – *Annals of Agric. Sci. Moshtohor*, **54**(3): 649–658.
- Meyer M.K.P. 1973. Trombidiformes Reuter, 1909. p. 6–19. – In: Meyer et al., eds.: *Acari of the Ethiopian Region*. Entomology Memoir No29: 45 pp.
- Meyer Smith M. K. P., E.A. Ueckermann. 1988. South African Acari. Ill. On the mites of the Mountain Zebra National Park. – *Koedoe*, **31**: 1–29.

- Meyer M.K.P., P.A.J. Ryke. 1960. Acarina of the families Anystidae, Pseudocheylidae and Cheyletidae (Prostigmata) found associated with plants in South Africa. – J. ent. Soc. S. Africa, **23**: 177–193.
- Meyer Smith M. K. P., E. A. Ueckermann. 1988. South African Acari. III. On the mites of the Mountain Zebra National Park. – Koedoe, **31**: 1–29.
- Michael A. D. 1878. On a species of *Acarus* of the genus *Cheyletus*, believed to be new. – J. Roy. Mirc. Soc., **1**: 133–138.
- Mihelčić F. 1958. Prostigmata Südeuropas (Spanien). – Eos, Madrid, **34**(3): 269–290.
- Miller A. E. 1925. An introductory study of the Acarina, or mites, of Ohio. – Bull. Ohio Agricultural. Experimental station, 386: Cheyletidae – p. 96–97.
- Mironov S. V., A. V. Bochkov, P. A. Chirov. 1991. Mites of the genus *Cheletopsis* (Acariformes, Cheyletidae) from Charadriiformes birds of the Middle Asia. – Kyrg. Resp. Ilim Akadem Kabarlary Khim – Tekhnol Zhana Biol Ilim, **4**: 50–56.
- Modarres Awal M. 2012. List of agricultural pests and their natural enemies in Iran. Ferdowsi University of Mashhad Press. pp. 759.
- Moradi Faradonbeh M., H. Ostovan, B. M. OConnor, M. Gheibi, O. Joharchi, F. Macchioni. 2019. *Promyialges italicus* sp. nov. (Astigmata: Epidermoptidae) with redescrptions of mites of the families Epidermoptidae and Cheyletidae (Prostigmata) associated with *Pseudolynchia canariensis* (Diptera: Hippoboscidae) from Iran and Italy. – Persian Journal of Acarology, **8**(1): 27–46.
- Mola P. 1907. Nuovi acari parassiti. – Zool. Anz., **32**(2): 41–44.
- Moser J.C., L.M. Roton. 1971. Mites associated with southern pine beetles in Allen Parish, Louisiana. – Can. Entomol., **103**: 1775–1798.
- Mosquera S. 1989. *Eucheyletia hardyi* Baker, 1949 y *Haemogamasus pontiger* (Berlese, 1904), dos acaros nuevos para la fauna Argentina. – Neotropica (La Plata), **34**(9), 1988: 105–108.
- Moxham J. W., T. T. Goldfinch, A. C. G. Heat. 1968. *Cheyletiella parasitivorax* infestation of cats associated with skin lesions of man. – N. Z. Vet. J., **16**: 50–52.
- Muma M. H. 1964. Cheyletidae (Acarina: Trombidiformes) associated with citrus in Florida. – Flo. Entomol., **47**: 239–253.
- Mumcuoglu Y. 1976. House dust mites in Switzerland I. Distribution and taxonomy. – J. Med. Ent., **13**(3): 361–373.
- Mwase E.T., A.S. Baker. 2006. An annotated checklist of mites (Arachnida: Acari) of Zambia. – Zootaxa, **1106**: 1–24
- Mykytowskcz R. 1957. Parasitic habit of the rabbit mite *Cheyletiella parasitivorax* Mégnin). – C. S. I. R. O. Wildlife Res., **2**: 164.
- Nachev P.D., G. Trenchev. 1987. The acarofauna associated with some Coccidae in Bulgaria. – Pochvoznanie, Agrokhimiya i Rastitelna Zashtita, **22**: 81–86 (in Bulgarian).
- Nadchatram M., R. Domrow. 1966. Observations on the Fauna of Pulau Tioman and Pulau Tulai 10. Parasitic Acarina of the Mammals. – Bull. Nat. Museum, Republic of Singapore, **34**: 129–140.
- Nagar S. K. 1978. Identity, synonymy, host and distribution of *Hemicheyletus calcarata* (Domrow and Baker, 1960) n. comb. (Acarina: Cheyletidae). – Acarologia, **20**(1): 102–103.

- Nagar S. K., V. K. Saxena. 1977. A new mite *Hemicheylatus herpestesi* n. sp. (Prostigmata: Cheyletidae) from the Indian Mongoose *Herpestes edwardsii* Geoffroy. – *Annals of Zoology*, **13**(1): 35–42.
- Nakada E. 1975. *Cheyletus malaccensis* Oudemans, 1903. Morphological characters of adult and immature stages. – *Animal Hygiene (Eisei Dobutsu)*, **26**: 151–165.
- Negm M.W., A.E. Mesbah. 2014. Review of the mite family Cheyletidae (Acari: Trombidiformes: Cheyletoidea) of Egypt. – *Int. J. Acarol.*, **40**(5): 390–396. doi:10.1080/01647954.2014.930511
- Nishida G.M. Version 2009. French Polynesia Mite Checklist.
- Nordenskiöld E. 1900. Anteckningar om Acarider samlade i hö. – *Medd. Soc. Faun. Fenn.*, **26**: 34–38.
- Nörner C. 1883. Einiges über Cheyletiden. – *Verhandlungen der zoologisch-botanischen Gesellschaft in Wien*, **33**: 645–648.
- Norris J. D. 1958. Observations on the control of mite infestations in stored wheat by *Cheyletus* spp. (Acarina, Cheyletidae). – *Ann. Appl. Biol.*, **46**(3): 411–422.
- Olivier P. A. S., P. O. Theron. 1988. A new species of *Eutogenes* Baker, 1949 (Acari: Cheyletidae) from South Africa. – *Phytophylactica*, **20**: 253–256.
- Olivier P. A. S., P. D. Theron. 1989a. A new genus and species of Cheyletidae (Acari: Prostigmata) from South Africa. – *Journal of the Entomological Society of Southern Africa*, **52**: 237–243.
- Olivier P. A. S., P. D. Theron. 1989b. The genus *Microcheyla* Volgin, 1966 (Acari: Prostigmata: Cheyletidae) from South African soils. – *Phytophylactica*, **21**(1): 49–54.
- Olsen S., H. Roth. 1947. On the mite *Cheyletiella parasitivorax*, occurring on cats, as a facultative parasite of man. – *J. Parasitol.*, **33**(5): 444–445.
- Oudemans A. C. 1897. List of Dutch Acari.IV. – *Tijdschr. Ent.*, **40**: 111–135.
- Oudemans A. C. 1902. *Tijdschrift der Nederlandse Dierkunde Vereenigin.*, **8**: 15–16.
- Oudemans A. C. 1903a. *Acarologische Aanteekeningen VI.* – *Entomologische Berichten Nederlands Entomol. Ver.*, **1**(12): 83–88.
- Oudemans A. C. 1903b. Notes on Acari. XI. – *Tijdschr. Ent.*, **46**: 93–134.
- Oudemans A. C. 1903c. Notes sur les Acariens. *Memoires de la Societe Zoologique de France*, **16**: 5–32.
- Oudemans A. C. 1904a. *Acarologische Aanteekeningen XII.* – *Entomologische Berichten Nederlands Ent. Ver.*, **1** (18): 160–164.
- Oudemans A. C. 1904b. *Acarologische Aanteekeningen XIII.* – *Entomologische Berichten Nederlands Ent. Ver.*, **1**: 169–174.
- Oudemans A. C. 1904c. *Acarologische Aanteekeningen XI.* – *Entomologische Berichten Nederlands Ent. Ver.*, **1**(17): 153–155.
- Oudemans A. C. 1905. *Acarologische Aanteekeningen XV.* – *Entomologische Berichten Nederlands Ent. Ver.*, **1**(21): 207–210.
- Oudemans A. C. 1906. Révision des Chélétinés. – *Mémoires de la Société Zoologique de France*, **19**: 36–218.

- Oudemans A. C. 1914. Acarologische Aanteekeningen LIV. – Entomologische Berichten Nederlands Entomol. Ver., **4** (78): 101–103.
- Oudemans A. C. 1926. Kritisch historisch overzicht der acarologie.
- Oudemans A. C. 1928. Acarologische Aanteekeningen. XCIII. – Entomologische Berichten Nederlands Entomol. Ver., **7**(162): 343.
- Özer M., S. Toros, S. Çobanoğlu, S. Çınarlı. 1986. Beneficial mites of stored products in İzmir province, 1st Turkish National Congress on Biological Control, Abstract book pg. 280–292, Adana, Turkey. (In Turkish)
- Özer, M., Toros, S., Çobanoğlu, S., Çınarlı, S., Emekçi, M. 1989. The determination, distribution and habitats of Acarina group harmful on stored grain, flour and flour products and dried fruits in the province of İzmir. – Turkish Journal of Agriculture and Forestry, **13**, 1154–1189. (In Turkish)
- Özkan M., N. Ayyıldız, Z. Soysal. 1988. The Acari fauna of Turkey. – Doğa Türk Zooloji Dergisi, **12**: 75–85. (In Turkish)
- Packard A.S. 1869. Guide to the study of insects, and a treatise on those injurious and veneficial to crops: for the use of colleges, farm-schools, and agriculturists. P. 665.
- Packard A.S. 1878. A Guide to the Study of Insects. New York: Henry Holt and Co., 715 pp.
- Pactinat-Saeij S., M. Bagheri, M. Skvarla. 2017. First record of the genus *Bak* Yunker (Acari-formes: Prostigmata: Cheyletidae) from Iran with description of a new species. – Acarologia (Paris), **57**(4): 847–853.
- Pagliarini N. 1979. Studies on the mites of stored cereals in Yugoslavia. In: Rodriguez J.G. (Ed). Recent Advances in Acarology. New York, Academic Press. P. 305–309. doi:10.1016/B978-0-12-592201-2.50043-9
- Paktinat-Saeij, M. Bagheri, M. Skvarla. 2017. First record of the genus *Bak* Yunker (Acari-formes: Prostigmata: Cheyletidae) from Iran with description of a new species. – Acarologia, **57**(4): 847–863. doi:10.24349/acarologia/20174199
- Palyvos N.E., N.G. Emmanouel. 2006. Seasonal abundance and vertical distribution of mites in flat storage containing wheat. – Phytoparasitica, **34**(1): 25–36.
- Parameswaran Pillai P.R. 1957. Pests of stored fish and prawns. – Bull. Res. Inst. Univ. Kerala, **5C**, 3: 1–79.
- Patxot J.D., M.L. Goff. 1985. Two new species and new records of Cheyletidae (Acari) in Hawaii with a key to the species. – Intern. J. Acarol., **11**: 157–162.
- Pelaez D. 1962. *Hoffmannita mexicana* gen. et sp. nov., Cheyletidae parasito de un alacrán del género *Centruroides* (Acarina, Prostigmata). – Anales de la Escuela Nacional de Ciencia Biologicas, **11**: 71–78.
- Peredo A.A., R.I. Martínez, P.M. Aqueveque, M.E. Casanueva. 1994. Presencia de *Cheleto-morpha lepidopterorum* (Shaw, 1794) en *Actinidia chinensis* Planch «Kiwi» en Chile y redescrípción del macho (Acari: Cheyletidae). – Gayana Zoologia, **58**(1): 17–26.
- Petrova V., I. Salmane. 2000. Some mite (Acari) species from mass-rearing laboratories of commercial mushrooms and beneficial arthropods in Latvia. – Ekológia (Bratislava), **19**: 211–212.

- Petrova V., I. Salmane, Z. Čudare. 2004. The predatory mite (Acari, Parasitiformes: Mesostigmata (Gamasina); Acariformes: Prostigmata) community in strawberry agrocenosis. – Acta Univ. Latviensis, Biology, **676**: 87–95.
- Pfliegler W.P., A. Schönhofer, W. Niedbała, P. Vella, A. Sciberras, A. Vella. 2017. New records of mites (Acari) and harvestmen (Opiliones) from Malta with a preliminary checklist of maltese Arachnida. – Soil Organisms, **89**: 85–110.
- Philips J.R., D.L. Dindal. 1990. Invertebrate populations in the nests of a Screech owl (*Otus asio*) and an American kestrel (*Falco sparverius*) in Central New York. – Entomological News, **101**(3): 170–192.
- Pillars A. W. N. 1925. *Cheyletiella parasitivorax* Mégnin causing lesions in the domestic rabbits – Vet. J. (London), **81**: 96–97.
- Podder S., S.K. Gupta, G.K. Saha. 2006. Description of a new species of *Grallacheles* De Leon (Acari: Cheyletidae) from floor dust in India. – Entomon, **31**(4): 333–338.
- Poppe S.A. 1888. Über parasitische Milben. – Abh. Naturwiss. Verein, Bremen, **10**: 205–240.
- Poppe S.A. 1909. Nachtrag zur Milben – Fauna der Umgegend Bremens. – Abh. Nat. Ver. Bremen, **19**: 47–67.
- Price D. W. 1972. A new species of *Acaropsella* Volgin from the nest of a turkey vulture (Acarina: Cheyletidae). – Proceedings of the Entomological Society of Washington, **74**: 45–49.
- Principato M. 1989. Observation of a rare anomaly in *Cheyletiella parasitivorax* (Acarina: Cheyletidae): atrophy of a third right leg. – J. Med. Entomol., **26**(4): 378–379.
- Pulpán J., P. H. Verner. 1965. Control of Tyroglyphoid mites in stored grain by the predatory mite *Cheyletus eruditus* (Shrank). – Can J. Zool., **43**: 417–432.
- Putatunda B. N., R. P. Kapil. 1988. Seven new species of *Cheletophyes* (Acari: Prostigmata: Cheyletidae) associated with carpenter bees in India. – In: hannaBasavanna, G.P. and Viraktamath, C.A. (eds), Progress in Acarology, Vol. I, pp. 317–327.
- Putatunda B. N., R. Kumar, D.P. Banerjee. 2004. Mites parasitic and/or associated with poultry and some mammals in Hisar, Haryana with key to identification. – Indian J. Anim. Res., **38**(1): 1–7.
- Qayyum H. A., W. M. Chaudhri. 1977a. Descriptions of new mites of the genus *Cheletomorpha* Oudemans (Acarina: Cheyletidae) from Pakistan. – Pakistan Journal of Zoology, **9**: 71–77.
- Qayyum H. A., W. M. Chaudhri. 1977b. Descriptions of six new mite species of the genus *Cheyletus* Latreille (Acarina: Cheyletidae) from Pakistan. – Pakistan Journal of Zoology, **9**: 87–97.
- Qayyum H. A., W. M. Chaudhri. 1977c. Descriptions of two new mite species of the genus *Cheletogenes* Oudemans (Acarina: Cheyletidae) from Pakistan. – Pakistan Journal of Agricultural Sciences, **14**: 110–114.
- Qayyum H. A., W. M. Chaudhri. 1979a. Description of *Cheletomimus heredis*, new species (Acarina: Cheyletidae) from Pakistan. – Pakistan Entomologist, **1**: 9–12.
- Qayyum H. A., W. M. Chaudhri. 1979b. Mites of the genus *Hemicheyletia* (Acarina: Cheyletidae) described from Pakistan. – Pakistan Journal of Zoology, **11**: 167–172.
- Rack G. 1971. *Cheyletiella yasguri* Smiley, 1965 (Acarina, Cheyletiellidae), ein fakultativ menschenpathogener Parasit des Hundes. – Z. Parasitenk., **36**: 321–334.

- Radford C.D. 1947. Parasitic mites from snakes and rodents (Acarina: Cheyletidae, Listerophoridae and Laelaptidae). – Proc. Zool. Soc. London, **117**: 228–240.
- Radford C.D. 1950. Systematic check list of mite genera and type species. – Int. Union Biol. Sci. (ser.C), **1**: 1–232.
- Rak H. 1972. *Cheyletiella parasitivorax* (Méglin) (Acar., Cheyletidae) from cat flea (*Ctenocephalides felis felis* (Bouché)) in Iran. – Entomologist's Monthly Magazine, **108**: 62.
- Rak H. 1973. Ectoparasites of dogs and cats in Iran. – Entomologist's Monthly Magazine, **108**: 189.
- Ramaraju K., M. Mohanasundaram. 1999. Two new cheyletid mites (Acari: Cheyletidae) from Tamil Nadu, India. – International Journal of Acarology, **25**(2): 121–127.
- Rasool A., W. M. Chaudhri. 1979a. Two new species of the genus *Hemicheyletia* Volgin (Acarina: Cheyletidae) from Pakistan. – Pakistan Entomologist, **1**: 1–6.
- Rasool A., W. M. Chaudhri. 1979b. Description of a new species of the genus *Cheletogenes* Oudemans (Cheyletidae) from Pakistan. – Pakistan Entomologist, **1**: 7–10.
- Rasool A., W. M. Chaudhri, S. Akbar. 1980. Studies on the mites of the family Cheyletidae from Pakistan. – Pakistan Entomologist, **2**: 27–36.
- Razzaq A., M. Shiraishi, T. Manabe, N. Ohbayashi. 2001. External features of cheyletid predatory mite *Hemicheyletia bakeri* (Ehara) found in citrus orchards in Japan. – Pak. J. Biol. Sci., **4**(5): 597–601.
- Reed C. M. 1961. *Cheyletiella parasitivorax* infestation of pups. – J. Amer. Vet. Med. Ass., **138**: 306–307.
- Regev S. 1974. Morphological and genetic evaluation of male polymorphism in *Cheyletus malaccensis* (Cheyletidae: Acarina). – Acarologia, **16**(1): 85–93.
- Reis P.R., A.D. Paschoal. 1968. Alguns ácaros de produtos armazenados do Estado de São Paulo. – An. I Reun. An. Soc. Brasil. Entomol., Piracicaba, 63–64.
- Rekk G. F. 1976. Catalogue of the Acarofauna of Georgian SSR. – Mezniereba, Tbilisi: 127 pp.
- Ripka G., A. Fain, H.R. Bolland. 1999. New data to the knowledge on the corticolous mite fauna in Hungary (Acari: Prostigmata, Astigmata, Oribatida). – Acta Phytopathologica et Entomologica Hungarica, **34**(4): 363–371.
- Rizk G.N., E. Badry, S.M. Hafez. 1979. The effectiveness of predacious and parasitic mites in controlling *Tribolium confusum* Duv. – Mesop. J. Agric., **14**(2): 167–182.
- Rohdendorf B. B. 1940. Keys to the Cheyletidae and Pediculoididae. – Wiss. Ber. Moscow State Univ., **42**: 69–98.
- Rosa A. E., C. H. W. Flechtmann. 1979a. Ocorrência de *Ornithocheyletia hallae* Smiley, 1970 (Acari: Prostigmata: Cheyletiellidae) parasitando *Columbigallina* sp. (Aves) no Brasil. – Ecossistema, **4**: 121–122.
- Rosa A. E., C. H. W. Flechtmann. 1979b. Mites in house dust from Brazil. – Intl. J. Acar., **5**(3): 195–198.
- Rostom Z. M.F. 1993. Survey of some granivorous and non-granivorous insects and mites in stores in Saudi Arabia. – J. Stored Prod. Res., **29**(1): 27–31.

- Salarzahi S., J.Hajizadeh, M.Hakimitabar, E.Ueckermann. 2018. A contribution to the knowledge of cheyletid mites of Iran with redescription of *Eucheyletia flabellifera* (Michael, 1878)(Prostigmata: Cheyletidae). – *Acarologia*, **58**(2) : 457–470.
- Salarzahi S., J.Hajizadeh, E.Ueckermann. 2018. A new species of *Cheyletus* Latreille (Prostigmata: Cheyletidae) from Iran and a key to the Iranian species. – *Acarologia*, **58**(3): 640–646.
- Salarzahi S., J.Hajizadeh, E.Ueckermann. 2019. A new species of *Cheletonella* Womersley (Prostigmata : Cheyletidae) from Iran and a key to the species. – *Acarologia*, **59**(2): 188–195.
- Saleh S.M., M.S. El-Helaly, F.H. El-Gayar. 1985. Survey on stored product mites of Alexandria (Egypt). – *Acarologia*, **26**(1): 87–93.
- Saleh S.M., M.S. El-Helaly, F.H. El-Gayar. 1986. Life history of the predatory mite *Cheyletus malaccensis* (Oudemans). – *Acarologia*, **27**(1): 37–40.
- Samšiňák K. 1956. Die Milben (Acari) auf der Fliege *Laphria flava* L. – *Mém. Soc. Zool. tchécoslov.*, **20**: 353–357.
- Samšiňák K. 1958. Roztoči ze slnečnicových semen (Acari). – *Českoslov. Parasitol.*, **5**(1): 185–198.
- Samšiňák K. 1959. Contribution à l' étude des Acariens de Madagascar. – *Mém. Inst. Sci. Madagascar, Sér. A*, **13**: 81–84.
- Samšiňák K. 1962. *Chelacheles michalskii* n. sp. (Acari, Cheyletidae). – *Čas. Čs. Spol. ent. (Acta Soc. ent. Českoslov.)*, **59**(2): 183–185.
- Sang-Hun Kim, Hyung-Kyou Jun, Kun-Ho Song, D. Gram, Duck-Hwan Kim. 2008. Prevalence of fur mites in pet rabbits in South Korea. – *Veterinary Dermatology*, **19**(3): 189–190.
- Sasa M., R. Kano. 1951. *Cheyletiella takahasii* sp. n., a new species of parasitic mite from *Ochotona* of Hokkaido, Japan (Acarina, Cheyletidae). – *Japan. Journ. exper. Medicine*, **21**: 205–207.
- Schaffer M. H., N. F. Baker, P. C. Kennedy. 1958. Parasitism by *Cheyletiella parasitivorax*. A case report of the infestation in a female dog and its litter. – *Cornell Vet.*, **48**(4): 440–447.
- Schränk F.P. 1781. Enumeratio Insectorum Austriae indigenorum. Aug. Vindel.
- Schuster R. 1997. Landeskundlich bedeutsame Milbenfunde in Kärnten und Osttirol (Arachnida, Acari). – *Carinthia II*, 187./ 107 Jhg.: 465–470.
- Schweizer J. 1922. Beitrag zur Kenntnis der terrestrischen Milbenfauna der Schweiz. – *Verhdl. Naturf. Ges., Basel*, **33**: 23–112.
- Schweizer J. 1948. Landmilben aus der Umgebung des Schweizerischen Nationalparks. – *Ergebn. d. wissensch. Untersuchg. d. SNP, II (N.F.)*, **20**: 1–28.
- Schweizer J. 1951. Die Landmilben des Schweizerischen Nationalparks. 2 Teil: Trombidiformes Reuter 1909. – *Rés. rech. sci. entreprises au Parc Nat. Suisse*, **3** (NF): 119 -172.
- Schweizer J., C. Bader. 1963. Die Landmilben der Schweiz (Mittelland, Jura und Alpen): Trombidiformes Reuter. – *Denkschr. d. Schweiz. Naturf. Ges.*, **84**(2): 209–378.
- Sellnick M. 1940. Die Milbenfauna Islands. – *K. Vet. O. Vitterh. Samh. Handl., Ser. B*, **6**(14): 129 pp.
- Sepasgozarian H. 1978. Stored pests of Iran and their control. University of Tehran press, Publication No. 1026. pp. 287.

- Shen Chao-peng [Z.-P.]. 1975. Preliminary notes on Chinese Cheyletida mites and the life history of *Cheyletus malaccensis* Ouds. (Acarina: Cheyletidae). – Acta Entomologica Sinica, **18**(3): 316–324.
- Shen Z.-P. 1984. Cheyletidae. In: Jiangxi University (ed.). Agricultural Acarology in China [Zhongguo Nongyue Manlei]. Shanghai Science and Technology Publishing House, Shanghai, 364–378 (in Chinese).
- Shen Z.-P. 1991. Cheyletidae mites of stored grain in China. – Grain Storage, **20**(4): 21–30.
- Shepherd R.C.H., J.W. Edmonds. 1977. Ectoparasites of the wild rabbit *Oryctolagus cuniculus* (L.) in Victoria: The occurrence of the mites *Leporacarus gibbus* (Pagenstecher) and *Cheyletiella parasitivorax* (Megnin) and the louse *Haemodipsus ventricosus* (Denny). – J. Aust. Entomol. Soc., **16**: 237–244.
- Shiba M. 1969a. On some mites from «Tatami» (Japanese rice straw matting). – Rep. Res. Matsuyama Shinonome Junior College, **4**(1): 147–170.
- Shiba M. 1969b. Taxonomic Investigations on Free-living Mites in the Subalpine Forest on Shiga Heights IBP Area II. Prostigmata. – Bull. Nat. Sci. Mus., Tokyo, **12**(1): 65–115.
- Shiba M. 1976. Taxonomic investigations on free-living Prostigmata from the Malay Peninsula. – Nature Life in South East Asia. 7: 83–229.
- Shin Sung-Shik. 1996. A case report of *Cheyletiella* infestations on a Whippet dog in Korea. – The Korean J. of Parasitology, **34**(4): 267–271.
- Shulov A. 1957. Additions to the fauna of Acarina of Israel (excluding ticks and gall mites). – Bull. Res. Council of Israel, Sect. B. Biology and Geology, **6B** (3–4): 233–238.
- Skoracki M., A.V. Bochkov, B. Sikora. 2004. A new species and new records of the cheyletoid mites (Acari: Cheyletoidea) from passeriform birds in Poland. – Belgian Journal of Entomology, **6**: 83–90.
- Skvarla M., J.R. Fisher, A.P.G. Dowling. 2014. Redescription of *Paracaropsis travisi* (Baker, 1949)(Trombidiformes: Cheyletidae), with range expansion, additional host records, and reevaluation of cheyletid chaetotaxy based on the sejugal furrow. – Acarologia, **54**(3): 335–345.
- Smiley R. L. 1965. Two new species of the genus *Cheyletiella* (Acarina: Cheyletidae). – Proc. Entomol. Soc. Washington, **67**(2): 75–79.
- Smiley R. L. 1970. A review of the family Cheyletiellidae (Acarina). – Annals of the Entomological Society of America, **63**: 1056–1078.
- Smiley R. L. 1978. Further studies on the family Cheyletiellidae (Acarina). – Acarologia, **19**: 225–241.
- Smiley R. L. 1984. Two new species of *Ornithocheyletia* (Acari: Cheyletidae) from Australian birds. – International Journal of Acarology, **10**: 239–250.
- Smiley R. L. 1996. New species of *Cheletonella* (Acari: Prostigmata: Cheyletidae) and a new key to the species. – Anales Instituto Biologico de Universita Autonom. Mexico, Ser. Zool., **67**: 239–244.
- Smiley R. L., J. C. Moser. 1970. Three cheyletids found with pine bark beetles (Acarina: Cheyletidae). – Proceedings of the Entomological Society of Washington, **72**: 229–236.

- Smiley R. L., J. C. Moser. 1975. Redescription of *Eutogenes vicinus* Summers and Price, a predatory polymorphic Cheyletid mite with descriptions of males and immature stages (Acarina: Cheyletidae). – Proc. Ent. Soc. Washington, **77**(4): 405–418.
- Smiley R. L., J. O. Whitaker Jr. 1981. Studies on the idiosomal and leg chaetotaxy of the Cheyletidae (Acari) with descriptions of a new genus and four new species. – International Journal of Acarology, **1**: 109–128.
- Smiley R. L., G. L. Williams. 1972. A new genus and species of Cheyletidae (Acarina). – Proceedings of the Entomological Society of Washington, **74**: 312–315.
- Socarrás A.A. 1987. Observaciones preliminares sobre la biología de *Cheyletus eruditus* (Prostigmata: Cheyletidae) en condiciones de laboratorio. – Reporte de Investigación del Inst. de Ecología y Sistemática, Ac. Sci. de Cuba, **41**: 1–10.
- Soliman Z. R. 1975. Three new species of cheyletid mites from Egypt (Acari: Prostigmata) with a key to genera. – Acarologia, **17**(1): 95–102.
- Soliman Z. R. 1977. Three new species of Cheyletid mite from Egypt with a key to genera (Acarina : Prostigmata). – Dtsch. Ent. Z., N.F., **24**, Heft I – III: 207–212.
- Stam J. W. E., H. J. W. M. Cremers. 1978. *Ornitocheyletia hallae* Smiley, 1970 (Acarina: Cheyletidae) as the cause of pruritis in a racing pigeon. – Tijdschr. Diergeneesk., **103**(20): 1114–1115.
- Starkoff O., I. Starkoff. 1950. Contributo alla conoscenza dell'acarofauna di Roma e dintorni Ila nota: sottordini Sarcoptiformes e Prostigmata. – Rivista di Parassitologia, **11**(2): 85–101.
- Sugimoto M. 1942. Parasites and parasitic diseases of domestic rabbits. – Sylvia (Journal of the Taihoku Society of Agriculture and Forestry), **5**(5): 550–577.
- Summers F. M. 1975. Males of three species of *Cheyletus* (Acarina: Cheyletidae). – Proceedings of the Entomological Society of Washington, **77**(4): 446–455.
- Summers P. M. 1976. A new genus for several cheyletid mites formerly in *Acaropsis* (Acarina: Cheyletidae). – Proceedings of the Entomological Society of Washington, **78**: 190–194.
- Summers F. M., D. W. Price. 1970. Review of the mite family Cheyletidae. – University of California Publications in Entomology, **61**: 1–153.
- Summers P. M., R. L. Witt. 1971. The gnatosoma of *Cheyletus cacahuamilpensis* Baker (Acarina: Cheyletidae). – Proc. Entomol. Soc. Washigton, **73** (2): 158–168.
- Summers P. M., R. L. Witt. 1973a. Nesting behavior of *Cheyletus eruditus* (Acarina: Cheyletidae). – Pan-Pac. Ent., **48**(4): 261–269.
- Summers P. M., R. L. Witt. 1973b. Oviposition and mating tendencies of *Cheyletus malaccensis* (Acarina: Cheyletidae). – Fla. Entomol., **56**(4): 277–285.
- Summers P. M., R. Witt, S. Regev. 1972. Evaluation of several characters by which five species of *Cheyletus* are distinguished (Acarina: Cheyletidae). – Proceedings of the Entomological Society of Washington, **74**: 230–252.
- Sweatman G.K. 1962. Parasitic mites of non-domesticated animals in New Zealand. – New Zealand Entomologist, **3**(1): 15–23.
- Tanaka H. 1953. Studies on the seven species of cheyletid mites of Japan. – Japan. J. San. Zool., **4**: 72–80.

- Thewke S. E. 1974. A new species of *Chelacheles* (Acarina: Cheyletidae) from Missouri with a key to the known species. – Entomological News, **85**: 33–39.
- Thewke S. E. 1977. A Revision of the Mite Family Cheyletidae: Acari: Prostigmata. Univ. of Missouri, Columbia, 1366 p.
- Thewke S. E. 1980. Three new genera and species of cheyletid mites (Acarina: Cheyletidae) from the U. S. A., Mexico, Panama and Indonesia. – Journal of the Kansas Entomological Society, **53**: 333–342.
- Thewke S. E., W. R. Enns. 1968. A new species of predaceous mite (Acarina: Cheyletidae) from galleries of bark beetles in Missouri. – Acarologia, **10**: 215–219.
- Thewke S. E., W. R. Enns. 1972. A new genus and three new species of cheyletid mites (Acarina: Cheyletidae) from Missouri and Michigan. – Journal of the Kansas Entomological Society, **45**: 450–459.
- Thewke S. E., W. R. Enns. 1974. A new species of *Bak Yunker* (Acarina: Cheyletidae) from Missouri with a revised key to the known species. – Journal of the Kansas Entomological Society, **47**: 42–53.
- Thewke S. E., W. R. Enns. 1975. A new species of *Pavlovskicheyla* (Acarina: Cheyletidae) from the elytra of *Platydemus ruficornis* (Coleoptera: Tenebrionidae) from Missouri. – Acarologia, **17**(4): 671–682.
- Thewke S. E., W. B. Enns. 1976. *Oudemansicheyla coprosomae* sp. nov. (Acarina: Cheyletidae) from New Zealand. – Journal of the Kansas Entomological Society, **49**: 360–362.
- Thewke S. E., W. B. Enns. 1979. Three new species of *Hemicheyletia* Voegin (Acarina: Cheyletidae) with a key to the known world species. – Journal of the Kansas Entomological Society, **52**: 218–225.
- Thewke S. E., R.E. Wilbur. 1968. A new species of predaceous mite (Acari: Cheyletidae) from galleries of bark beetles Missouri. – Acarologia, **10**: 215–219.
- Thomsett L.R. 1968. Mite infestations of man contracted from dogs and cats. – Brit. Med. J., **3**: 93–95.
- Thor S. 1912. Norwegische Cunaxidae und Cheyletidae I. – Zool. Anz., **39**(11/12): 389–390.
- Torre Santana P.E. de la. 2015. Las especies de la familia Cheyletidae (Acari: Trombidiformes) en Cuba. – Revista Cubana de Ciencias Biológicas, **4**(1): 47–55.
- Trencheva K.G., G.S. Trenchev. 2018. Three new species of Tenuipalpidae (Acari: Prostigmata) for the fauna of Bulgaria. – Journal of Entomology and Zoology Studies, **6**(4): 1794–1798.
- Tseng Y. – H. [Tjying I. – S.]. 1971. Cheyletid mites associated with stored products in Taiwan (I) (Acarina: Cheyletidae). – Inspection Research, Bulletin 4, p. 36.
- Tseng Y. – H. [Tjying I. – S.]. 1972. A new cheyletid mite *Hemicheyletia arecana* n. sp. from Taiwan (Acarina: Prostigmata). – Plant Protection Bulletin, **14**: 8–10.
- Tseng Y. – H. 1973. Two new predatory mites from Taiwan (Acarina: Cheyletidae: Prostigmata). – Plant Protection Bulletin, **15**: 76–77.
- Tseng Y. – H. 1977. A contribution to the knowledge of Formosan cheyletid mites (Acarina: Prostigmata). – The Proceedings of the National Science Council, **10**(2): 213–263.
- Turk F.A. 1946. Studies of Acari. V. – Notes on and descriptions of new and little-known British Acari. – Ann. Mag. Nat. Hist. (11) **12**: 785–820.

- Turk F.A. 1953. I. – A synonymic catalogue of British Acari: Part I. – Ann. Mag. Nat. Hist., 12th Ser., **61**: 1–26.
- Uchikawa K., H. Suzuki. 1979. *Cheyletiella mexicana* sp. nov. (Acarina: Cheyletiellidae) parasitic on *Romerolagus diazi* (Mammalia, Leporidae). – Tropical Medicine, **21**(1): 21–27.
- Uchikawa K., H. Suzuki. 1980. Studies on the Parasite Fauna of Thailand 3. Mites associated with Thai mammals. – Tropical Medicine, **22**(1): 13–25.
- Vail E. L., G. F. Augustson. 1943. A new ectoparasite (Acarina: Cheyletidae) from domestic rabbits. – J. Parasitol. **29**: 419–421.
- Vaivanijkul P. 1979. *Polycheyletus boonkongae* n.g., n.sp. from Thailand (Acari: Cheyletidae). – International Journal of Acarology, **5**: 251–252.
- Valim M.P., G.S. Gazeta. 2007. Phoretic association of the mites *Myialges anchora* Sergeant & Trouessart (Acaridida, Epidermoptidae) and *Ornithochyletia hallae* Smiley (Actinedida, Cheyletiellidae) with *Pseudolynchia canariensis* (Macquart) (Diptera, Hippoboscidae). – Revista Brasileira de Entomologia, **51**(4): 518–519.
- Vercammen-Grandjean P. H., H. Rak. 1968. *Cheyletiella yasguri* Smiley, 1965, un parasite de Canidés aux Etats-Unis et hyperparasite d'Hippoboscidae en Iran (Acarina: Cheyletidae). – Ann. Parasitol. (Paris), **43**(3): 405–412.
- Vitzthum H. 1920. Acarologische Beobachtungen. II. – Arch. f. Naturgesch., 1918, **84A**(6): 1–40.
- Vitzthum H. 1931. Terrestrische Acarinen (unter Ausschluss der Oribatiden und Ixodiden) der Deutschen Limnologischen Sunda-Expedition. – Archiv f. Hydrobiologie, Suppl. 9 (Tropische Binnengewässer II): 59–134.
- Volgin V. I. 1949. Materials for the systematics of predaceous mites of the genus *Cheyletus* Latr. – C.R. Acad. Sci. U.S.S.R., Moscow, n.ser., **64**: 583–586.
- Volgin V. I. 1955. [The family Cheyletidae Leach – predatory mites. – In: The mites on rodents in the U.S.S.R.]. Moscow – Leningrad: 152–176.
- Volgin V. I. 1958. Data on the taxonomy of predatory mites of the family Cheyletidae. I. Genus *Eutogenes* Baker, 1949. – Entomol. Rev., **37** (2): 460–463 (In Russian, summ. Engl.).
- Volgin V. I. 1960. On the taxonomy of predatory mites of the family Cheyletidae. II. Genus *Cheyletiella*. – Parasitol. Sbornik, **19**: 237–248.
- Volgin V. I. 1961. On the taxonomy of predatory mites of the family Cheyletidae. III. Genus *Cheletacarus* Volgin, gen. nov. – Parasitol. Sbornik, **20**: 248–256.
- Volgin V. I. 1962. – On the taxonomy of predatory mites of the family Cheyletidae. IV. The genus *Neocaropsis* Volgin, gen. nov. – Rev. Entomol., **41**(3): 685–691 (In Russian).
- Volgin V. I. 1963a. On the taxonomy of predatory mites of the family Cheyletidae. V. Genus *Euchyletia* Baker, 1949. – Parasitol. Sbornik, **21**: 44–68 (in Russian, short summary in English).
- Volgin V. I. 1963b. Two new genera of predatory mites of the family Cheyletidae (Trombidiformes). – Entomol. Rev., **42**(4): 504–508.
- Volgin V. I. 1964a. On the taxonomy of predatory mites of the family Cheyletidae. VI. The genus *Ornithochyletia* Volgin. – Gen. n. – Zool. Zh., **43** (1): 28–36.

- Volgin V. I. 1964b. On the taxonomy of predatory mites of the family Cheyletidae. VII. The genus *Neoeucheyla* Radford, 1950. – Parasitol. Sbornik, **22**: 88–97 (in Russian, summ. Engl.).
- Volgin V. I. 1965. [On the artificial nature of the genus *Cheletophyes* Oudm. (Acarina, Cheyletidae)]. – Tr. Zool. Inst., **35**: 288–299 (in Russian).
- Volgin V. I. 1966a. Morphological peculiarities of the mites of the family Cheyletidae (Acarina, Trombidiformes) and their ontogenetical development. – Rev. Entomol. URSS, **45**(1): 217–231.
- Volgin V. I. 1966b. A new genus and new species of mites of the family Cheyletidae Leach (Acarina, Trombidiformes). In: [New species of insects in the fauna of the USSR and the bordering countries], Trudi Zool. Instituta, Moscow – Leningrad, **37**: 277–285 (in Russian).
- Volgin V. I. 1969a. Acarina of the Family Cheyletidae of the World. Akademia Nauk, Leningrad, USSR, in Russian, pp. 432. In English, 1987, Amerind Publishing Co., New Delhi, pp. 532.
- Volgin V. I. 1978. New species of predatory cheyletid mites (Acariformes, Trombidiformes). – Entomological Review, **57**: 213–217 (in Russian with English summary).
- Volgin V. I., I. I. Nikolaeva. 1965. On parasitism of predacious mites of the genus *Neochelytiella* Baker, 1949 (Acarina, Cheyletidae) – Tr. Zool. Inst., **35**: 300–304 (in Russian).
- Vysotskaja S. O. 1974. Biocoenotic relationships between ectoparasites of the common red-backed vole, *Clethrionomys glareolus* Schreb., and inhabitants of its nests in the Transcarpathian region of the Ukraine. – Parazitologicheskii sbornik, **26**: 114–143.
- Wafa A. K., Z. R. Soliman. 1968. Five genera of family Cheyletidae (Acarina) in the U.A.R. with a description of four new species. – Acarologia, **10**(2): 220–229.
- Wang X.-Z. 1989. Cheyletidae. In: Deng G.-F., Wang H.-F., Xin J.-L., Wang D.-Q., Wu W.-N. & Wang X.-Z. (eds) An Outline of Acari in China [Zhongguo Piman Gangyao]. Science Press, Beijing, 227–234 (in Chinese).
- Wassel M. E., J. O. Whitaker, E. J. Spicka. 1980. The ectoparasites and other associates of the Cottontail Rabbit, *Sylvilagus floridanus*, in Indiana. – Proc. Indiana Acad. Sci., Zoology, **89**: 418–420.
- Wegner Z., T. Przyborowski. 1958. Pasożyty zewnętrzne szczurow portu gdynskiego. – Wiad. parazyt., Warszawa, **4**: 773–774.
- Weitkamp R. A. 1964. Cheyletiella parasitivorax parasitism in dogs. – J. A. V. M. A., **144** (6): 597–599.
- Wharton G. W., L. G. Arlian. 1972. Predatory behaviour of the mite *Cheyletus aversor*. – Ann. Behav., **20**(4): 719–723.
- Whitaker J. O., Jr., J. T. Baccus, A. G. Cleveland, Yi-M. Gu. 1990. Ectoparasites of some mammals from Southern China. – Bull. Soc. Vector Ecol., **15**(1): 53–58.
- Whitaker J. O., Ch. Maser. 1985. Mites (excluding Chiggers) of mammals of Oregon. – Great Basin Naturalist, **45**(1): 67–76.

- Whitaker J. O., D.D. Pascal, R.M. Mumford. 1979. Ectoparasites of the red squirrel (*Tamiasciurus hudsonicus*) and the Eastern Chipmunk (*Tamias striatus*) from Indiana. – J. Med. Entomol., **16**(4): 350–351.
- Wikerhauser T., L. Pinter. 1987. Parasitic mite *Cheyletiella blakei* in a cat. First case report in Yugoslavia. – Vet. Arch., **57**(2): 63–70.
- Willmann C. 1939. Die Arthropodenfauna von Madeira nach den Ergebnissen der Reise von Prof. Dr. O. Lundblad Juli – August 1935. XIV. Terrestrische Acari (exkl. Ixodidae). – Arkiv för Zoologi, **31A**(10): 1–42.
- Willmann C. 1949a. Das Männchen der Milbe, *Cheyletiella pinguis* Berlese, 1889, aufgefunden. – Ber. Münch. Tierärztl. Wschr., 1949, **5**: 56–57.
- Willmann C. 1949b. Beiträge zur Kenntnis des Salzgebietes von Ciechocinek. I. Milben aus den Salzwiesen und Salzmooren von Ciechocinek an der Weichsel. – Ver. Mus. f. Natur-Völker-u. Handelskunde in Bremen, A, **1**: 106–135.
- Womersley H. 1942a. Notes on the Cheyletidae (Acarina, Trombidoidea) of Australia and New Zealand, with descriptions of new species. – Rec. S.A. Museum, **7**: 51–64.
- Womersley H. 1942b. Miscellaneous additions to the acarine fauna of Australia. – Trans. Royal Soc. of South Australia, **66**(1): 85–92.
- Womersley H. 1956. A new genus and two new species of Acarina from Northern Australia. – Proc. Lin. Soc. N.S. Wales, **80**(3): 214–216.
- Woodroffe G. 1956. Some insects and mites associated with bat – roosts with a discussion of the feeding of the Cheyletids (Acarina). – Entomologist's Monthly Mag., **92**: 138–142.
- Xia Bin. 2010. A review of progress on the systematics and biology of the family Cheyletidae in China, with a checklist of the Chinese cheyletids. P. 158–164. – In: Zhang, Z.-Q., Hong, X.-Y. & Fan, Q.-H. (eds) Xin Jie-Liu Centenary: Progress in Chinese Acarology. Zoosymposia, **4**, 1–345.
- Xia Bin, H. Klompen, C. Childers. 2011. A new genus and species of Cheyletidae (Acariformes: Prostigmata) from citrus trees in Florida. – Zootaxa, **2796**: 29–36.
- Xia B., Gong Z.-Q., Yu L.-P. 2005. The effects of temperatures on development and survivorship of *Cheyletus eruditus*. – Journal of Nanshang University (Natural Science), **29**(3): 286–289.
- Xia B., R. Ye, Z. Zhu. 1997a. A new species of the genus *Grallacheles* (Acari: Cheyletidae) from Jiangxi, China. – Systematic and Applied Acarology, **1**: 173–175.
- Xia B., R. Ye, Z. Zhu. 1997b. One new species of the genus *Acaropsella* from China (Acari: Cheyletidae). – Acta Arachnologica Sinica, **6**(2): 143–145 (in Chinese, English Summ.).
- Xia B., R. Ye, Z. Zhu. 2000. Notes and key to known species of the Cheyletidae (Acari: Prostigmata) from Jiangxi. – Chinese science abstracts, **6**(7): 885–886 (in Chinese, English Summ.).
- Xia B., Z. – M. Zhu, R. Ye. 1999. A new species of the genus *Cheletonella* (Acari: Cheyletidae) from China and a key to the species. – Systematic and Applied Acarology, **4**: 149–151.
- Xia B., G. Liang, L. Zeng, Z. Zhu. 2004. On species of the genus *Eucheyletia* Baker from China (Acari, Cheyletidae). – Acta Zootaxonomica Sinica, **29**(1): 89–92 (in Chinese, English Summ.).

- Xia B., G. Liang, Z. Zhu. 2005. A new species of the genus *Prosocheyla* Volgin (Acari, Cheyletidae) with a key to the known world species. – *Acarologia*, **56**(2–3): 203–206.
- Xia B., Luo D.-M., Zou Z.-W., Xu R., Zhu Z.-M. 2007. Predation of *Cheyletus eruditus* on *Aleuroglyphus ovatus*. – *Chinese Bull. of Entomology*, **44**(4): 549–552 (in Chinese, English Summ.).
- Xia B., Zhang T., Zou Z.-W. 2007. The Predation of *Cheletomorpha lepidopterorum* on *Tyrophagus putrescentiae*. – *J. of Nanchang University (Natural Science)*, **31**(6): 579–582 (in Chinese, English Summ.).
- Xia B., Zhu Z.-M., Ye R., Wang S.-J., Tu D. 2001. Notes and key to known species of *Hemicheyletia* (Acari: Cheyletidae) from China. – *Chinese Science Abstracts*, **7**(9): 1168–1169 (in Chinese, English Summ.).
- Xie S.-Y., Wen X., Chen K.-S. 2000. Four new records of the stored product mite species in China. – *Grain Storage*, **29**(5): 17–19 (in Chinese, English Summ.).
- Yazdani A., J. Ebrahimi. 1993. Predators of scale insects on pistachio tree in Kerman province. – *Proc. 11th Plant Protec. Cong. Iran. Guilan, Rasht*, p. 210.
- Yousef A. E.-T. A. 1979. *Aegyptocheyla summersi* n. gen., n. sp. (Acarina: Prostigmata: Cheyletidae). – *Acarologia*, 1978, **20**(3): 365–367.
- Yousef Abdel-Tawab A., M.A. Zaher, M.M. Kandil. 1980. Comparative morphological studies on the developmental stages of *Cheletogenes ornatus* (C. & F.)(Prostigmata – Cheyletidae). – *Acarologia*, **21**(2), 1979: 228–233.
- Yousef Abdel-Tawab A., M.A. Zaher, M.M. Kandil. 1982. Effect of prey and temperature on the development and biology of *Cheyletus malaccensis* Oudemans (Acari: Cheyletidae). – *J. Appl. Entomology*, **93**(1): 39–42.
- Yunker C. E. 1960. *Alliea laruei*, n. gen., n. sp., (Acarina: Cheyletidae) from *Rattus norvegicus* (Erxleben) in Florida. – *Proceedings of the Helminthological Society of Washington*, **27**: 279–281.
- Yunker C. E. 1961. The genera *Bak*, new genus, and *Cheletomimus* Oudemans, with descriptions of three new species (Acarina: Cheyletidae). – *Canad. Entomol.*, **93** (2): 1023–1053.
- Zachvatkin 1935. A Short Key to the granary mites, pp.1–31. 2d ed. Moskow (in Russian).
- Zaher M. A., Z. R. Soliman. 1966. *Eutogenes punctata* n. sp. (Acarina: Cheyletidae). – *Bull. Soc. Entomol. d’Egypte*, **49**: 65–66.
- Zaher M. A., Z. R. Soliman. 1967. The family Cheyletidae in the U. A. R., with a description of four new species (Acarina). – *Bulletin de la Société Entomologique d’Egypte*, **51**: 21–26.
- Zaher M. A., A. El -Tawab A. Yousef, M. M. Kandil. 1981. Effect of food on the biology of *Cheletogenes ornatus* (C. & F.)(Acari: Prostigmata: Cheyletidae). – *Acarologia*, **22**(4): 361–366.
- Zankov Z.D. (Занков З. Д.) 1955. [A predator mite] (*Cheyletia bulgarica* Volg.). – *Lozarstvo i Vinarstvo*, **1**: 34–36 (in Bulgarian).
- Zhang Y.-X., Lin J.-Z. 1996. The predatory effect of *Cheyletus malaccensis* and *Lepidoglyphus destructor*. – *Entomological Journal of East China*, **5**(1): 65–68 (in Chinese, English Summ.).

- Zhang Y.-X., Lin J.-Z., Hou A.-P. 1997. Studies on the relationship between *Cheyletus malaccensis* (Acarina: Cheyletidae) and *Lepidoglyphus destructor*. – J. of the Fujian Academy of Agricultural Sciences, **12**(1): 44–47 (in Chinese, English).
- Zhu Z.-M., Zhou K., Xia B., Yu L.-P., Tu D. 2000. Effects of temperature on the development period of *Cheyletus trouessarti*. – J. of Nanchang University (Natural Science), **24**(4): 307–309 (in Chinese, English Summ.).
- Žďárková E. 1979. Cheyletid fauna associated with stored products in Czechoslovakia. – J. Stored Prod. Res., **15**: 11–16.
- Žďárková E. 1986. Mass rearing of the predator *Cheyletus eruditus* (Schränk) (Acarina: Cheyletidae) for biological control of acarid mites infesting stored products. – Crop Protection (Guildford, Surrey), **5**(2): 122–124.
- Žďárková E., P. Horák. 1997. Bionomics of *Eucheyletia taurica* Volgin, a species new to Central Europe (Acarina: Cheyletidae). – Acarologia, **38**(2): 123–125.
- Žďárková E., J. Lukáš, P. Horák. 2003. Compatibility of *Cheyletus eruditus* (Schränk)(Acari: Cheyletidae) and *Cephalonomia tarsalis* (Ashmead) (Hymenoptera: Bethyilidae) in biological control of stored grain pests. – Plant Protect. Sci., **39**(1): 29–34.

The Mite Family Psorergatidae Dubinin

Psorergatidae Dubinin, 1955: 150

The itch-mites of the family Psorergatidae are tiny inhabitants of the skin of Soricomorpha, Macroscelidea, Scandentia, Rodentia, Lagomorpha, Carnivora, Primates, and Artiodactyla.

The first species of this peculiar mites was described as early as 1883 by J.B. Tyrrell in Canada. For the next 70 years very little attention was given to the tiny intradermal Psorergatid mites. In Europe the example of Michael (1889) who described from England the second Psorergatid species (under the “new” genus *Goniomerus*), was not followed until the time of Dubinin and Fain. In his paper on rodent parasites (1955) and in his revision of Cheyletoidea (1957) Dubinin described, among other new families, Psorergatidae with only two species.

Meanwhile, several new species have been described from countries outside Europe, mainly from bigger mammals (now in subgenus *Psorobia*): *P. ovis* Womersley, 1941 (Australia), *P. cercopithecii* Zumpt et Till, 1955 (South Africa), *P. bos* Johnston, 1964 (USA).

The papers of Fain and co-authors from 1959 to 1973 laid down the structure of the family, but it was F. Lukoschus who, between 1967 and 1979, together with his co-authors Beaujean, Driessen, Fain, De Cock, Fauran, Giesen, Maa, Hallmann, Rack, Rosmalen, described 47 (?) of all 77 species in the family. Giesen (1990) made the comprehensive revision of the family. Other modern authors are R. Haitlinger (1979–1997), A. Baker (2005) and others. As Psorergatids seem to be host-specific, many new species are to be discovered.

For the time being the family Psorergatidae consists of 77 species [73, acc. to Zhang et al., 2011], distributed among three genera, as pointed by Fain (1959a, b):

Psorergates Tyrrell, 1883 – 49 sp.

Psorergatoides Fain, 1959 – 18 sp.

Psorobia Fain, 1959 – 10 sp.

Catalogue of Psorergatidae

Family **Psorergatidae** Dubinin

Psorergatidae Dubinin, 1955: 150

Type genus: *Psorergates* Tyrrell, 1883

Genus ***Psorergates*** Tyrrell

Psorergates Tyrrell, 1883: 337

Type species: *Psorergates simplex* Tyrrell, 1883

Goniomerus Michael, 1889: 400

Type species: *Goniomerus musculus* Michael, 1889

Psorergates agrestis Lukoschus, Fain et Beaujean*Psorergates (Psorergates) agrestis* Lukoschus, Fain & Beaujean, 1967: 149*Psorergates agrestis*, Giesen, 1990: 56

Type locality: Hoensbroek (Limburg, Holland)

Distribution: Holland

Host: *Microtus agrestis bailloni* (Rodentia: Arvicolidae)***Psorergates apodemi*** Fain, Lukoschus et Hallmann*Psorergates (Psorergates) apodemi* Fain, Lukoschus & Hallmann, 1966: 261; Sosnina, 1970: 538; Beron, 1973: 182*Psorergates apodemi*: Haitlinger, 1980: 700; Giesen, 1990: 56

Type locality: Hatert (Holland)

Distribution: Austria, Bulgaria, Germany, Holland, Poland, Romania, Switzerland, Ukraine, f. Tchechoslovakia

Hosts: *Sylvaemus flavicollis*, *S. sylvaticus*, *S. microps*, *S. uralensis* (Rodentia: Muridae, Murinae)***Psorergates arvalis*** Lukoschus, Fain et Beaujean*Psorergates (Psorergates) arvalis* Lukoschus, Fain & Beaujean, 1967: 171*Psorergates arvalis*, Giesen, 1990: 56

Type locality: Parque Nacional de Aigües Tortes, Lerida

Distribution: Spain

Host: *Microtus arvalis meridianus* (Rodentia: Arvicolidae)***Psorergates auricola*** Lukoschus, Fain et Beaujean*Psorergates auricola* Lukoschus, Fain & Beaujean, 1967: 167

Type locality: Jaca

Distribution: Spain

Host: *Microtus [Pitymys] duodecimcostatus flavescens* (Rodentia: Arvicolidae)***Psorergates baueri*** Lukoschus, de Cock et Driessen*Psorergates baueri* Lukoschus, de Cock & Driessen, 1971: 190

Type locality: St. Michael, Salzburg

Distribution: Austria

Host: *Neomys fodiens* (Soricomorpha: Soricidae)***Psorergates callipidis*** Lukoschus, Fain et Beaujean*Psorergates (Psorergates) callipidis* Lukoschus, Fain & Beaujean, 1967: 156; Lukoschus, 1967: 203

Type locality: El Puerto, Asturia

Distribution: Spain

Host: *Sylvaemus sylvaticus callipides* (Rodentia: Muridae, Murinae)

Psorergates canadensis Kok, Lukoschus et Clulow

Psorergates canadensis Kok, Lukoschus & Clulow, 1971: 1243

Type locality: Sudbury (Ont.)

Distribution: Canada (Ontario, Manitoba)

Host: *Microtus pennsylvanicus* (Rodentia: Arvicolidae)

Psorergates cinereus Kok, Lukoschus et Clulow

Psorergates cinereus Kok, Lukoschus & Clulow, 1971: 1239

Type locality: Sudbury (Ont.)

Distribution: Canada (Ontario, Manitoba)

Host: *Sorex cinereus* (Soricomorpha: Soricidae)

Psorergates crocidurae Lukoschus

Psorergates (Psorergates) crocidurae Lukoschus, 1968a: 81; Giesen & Lukoschus, 1983: 410

Psorergates crocidurae Giesen, 1990: 54

Type locality: Nijmegen (Holland)

Distribution: China, Germany, France, Holland, Spain

Host: *Crocidura russula russula* (Soricomorpha: Soricidae)

Psorergates cryptotis Giesen et Lukoschus

Psorergates cryptotis Giesen & Lukoschus, 1983: 404

Type locality: Cerro Punta

Distribution: Panama

Host: *Cryptotis n. nigrescens* (Soricomorpha: Soricidae)

Psorergates deomydis Lukoschus, Fain et Beaujean

Psorergates (Psorergates) deomydis Lukoschus, Fain & Beaujean, 1967: 159

Psorergates deomydis Giesen, 1990: 56

Type locality: Albert (= Virunga) Nat. Park

Distribution: DR Congo

Host: *Deomys ferrugineus chrystyi* (Rodentia: Muridae, Deomyinae)

Psorergates desmanae Lukoschus

Psorergates desmanae Lukoschus, 1968b: 125

Type locality: Moulis (Ariège)

Distribution: France

Host: *Galemys pyrenaicus* (Soricomorpha: Talpidae, Desmaninae)

Psorergates dissimilis Fain, Lukoschus et Hallmann

Psorergates (Psorergates) dissimilis Fain, Lukoschus & Hallmann, 1966: 267

Psorergates dissimilis, Giesen, 1990: 56; Haitlinger, 1978: 143

Type locality: Hamert, Limburg Prov.

Distribution: Austria, Holland, Poland, Switzerland, Crimea

Hosts: *Microtus arvalis*, *Myodes [Clethrionomys] glareolus* (Rodentia: Arvicolidae)

Psorergates doriae Giesen, Lukoschus et Nadchatram

Psorergates doriae Giesen, Lukoschus & Nadchatram, 1982: 319

Type locality: Kampong Taii, Sarawak

Distribution: Malaysia (Sarawak)

Host: *Crociodura [doriae] foetida* (Soricomorpha: Soricidae)

Psorergates dremomydis Giesen, Lukoschus et Nadchatram

Psorergates dremomydis Giesen, Lukoschus & Nadchatram, 1982: 316

Type locality: Gunong (Mt.) Brinchang, 1500 m, Pahang

Distribution: Malaysia (Pahang)

Host: *Dremomys rufigenis* (Rodentia: Sciuridae, Sciurinae)

Psorergates eliomydis Lukoschus, Fain et Beaujean

Psorergates (Psorergates) eliomydis Lukoschus, Fain & Beaujean, 1967: 156

Psorergates eliomydis, Giesen, 1990: 56

Type locality: Ntra. Sra. del Pilar (Formentera, Ibiza)

Distribution: Spain (Ibiza)

Host: *Eliomys quercinus ophiusae* (Rodentia: Gliridae)

Psorergates etruscus de Cock, Lukoschus et Ariani

Psorergates etruscus de Cock, Lukoschus & Ariani, 1970: 1

Type locality: Naples (Italy)

Distribution: Italy

Host: *Suncus etruscus* (Soricomorpha: Soricidae)

Psorergates fritzi Giesen, Nutting et Nadchatram

Psorergates fritzi Giesen, Nutting & Nadchatram, 1989: 133

Type locality: Fraser's Hill, Pahang, 1200 m

Distribution: Malaysia (Pahang), Singapore

Host: *Tupaia glis* (Scandentia: Tupaiidae)

Psorergates glaucomys Ah, Peckham et Ateyo

Psorergates glaucomys Ah, Peckham & Ateyo, 1973: 369

Type locality: Savannah, Chatham Co., Georgia

Distribution: U.S.A. (Georgia)

Host: *Glaucomys v. volans* (Rodentia: Sciuridae)

Psorergates hispanicus Lukoschus, Fain et Beaujean

Psorergates hispanicus Lukoschus, Fain & Beaujean, 1967: 163; Giesen, 1990: 56

Type locality: Jaca

Distribution: Spain

Hosts: *Mus musculus commissarius*, *M. spretus* (Rodentia: Muridae, Murinae)

***Psorergates meati* ?**

Psorergates meati ? – Giesen, 1990: 56

Type locality: Spain

Distribution: Spain

Host: *Sylvaemus sylvaticus callipides* (Rodentia: Muridae, Murinae)

Psorergates mexicanus Giesen, Lukoschus, Whitaker et Gettinger

Psorergates mexicanus Giesen, Lukoschus, Whitaker & Gettinger, 1983: 169

Type locality: Socorro Co. (New Mexico)

Distribution: USA (New Mexico)

Host: *Notiosorex crawfordi* (Soricomorpha: Soricidae)

Psorergates micromydis Lukoschus, Fain et Beaujean

Psorergates micromydis Lukoschus, Fain & Beaujean, 1967: 143

Type locality: Hellevoetsluis

Distribution: Holland

Host: *Micromys minutus soricinus* (Rodentia: Muridae, Murinae)

Psorergates microti Fain, Lukoschus et Hallmann

Psorergates microti Fain, Lukoschus & Hallmann, 1966: 266

Type locality: Hatert

Distribution: Holland

Hosts: *Microtus agrestis*, *Myodes [Clethrionomys] glareolus* (Rodentia: Arvicolidae)

Psorergates muricola Fain

Psorergates (Psorergates) muricola Fain, 1961: 66; Fain, Lukoschus & Hallmann, 1966: 259; Lukoschus, Fain & Beaujean, 1967: 175; Beron, 1970: 146; 1973: 182

Psorergates muricola: Haitlinger, 1987a: 82; Sosnina, 1970: 539; Giesen, 1990: 56

Type locality: Kawa, Lake Albert, DR Congo

Distribution: Belgium, Bulgaria, DR Congo, France, Holland, Italy, Poland, Russia

Hosts: *Sylvaemus flavicollis*, *S. sylvaticus*, *Hybomys univittatus*, *Lophuromys aquilus*, *Mus musculus*, *Otomys [irroratus elgonis] tropicalis* (Rodentia: Muridae, Murinae)

Psorergates muscardinus Lukoschus, de Cock et Driessen*Psorergates muscardinus* Lukoschus, de Cock & Driessen, 1971: 185

Type locality: München

Distribution: Germany

Host: *Muscardinus avellanarius* (Rodentia: Gliridae)***Psorergates musculus*** (Michael)*Goniomerus musculus* Michael, 1889: 405; Canestrini, 1894: 812*Psorergates simplex* var. *musculus*, Neumann, 1893: 21*Psorergates musculus* (Michael): Oudemans, 1906: 78; Hirst, 1919: pl. XII, fig. 52;

Vitzthum, 1929: 54; Turk, 1953; Zumpt & Till, 1955: 269; Dubinin, 1955: 152; Fain,

Lukoschus & Hallmann, 1966: 254; Rioux & Golvan, 1961:

Type locality: England

Distribution: England, Russia

Hosts: *Microtus agrestis*, *Myodes* [*Clethrionomys*] *glareolus* (Rodentia: Arvicolidae), *Sylvaeus sylvaticus* (Muridae)***Psorergates neerlandicus*** Lukoschus, de Cock et Driessen*Psorergates neerlandicus* Lukoschus, de Cock & Driessen, 1971: 192

Type locality: Texel Island, the Netherlands

Distribution: Holland

Host: *Microtus oeconomus* (Rodentia: Arvicolidae)***Psorergates oeconomi*** Lukoschus, Fain et Beaujean*Psorergates oeconomi* Lukoschus, Fain & Beaujean, 1967: 139

Type locality: Zuidland, Rockanje (Holland)

Distribution: Holland

Host: *Microtus oeconomus arenicola* (Rodentia: Arvicolidae)***Psorergates oettlei*** Till*Psorergates simplex*, Lavoisier, 1946: 81 (nec Tyrrell, 1883)*Psorergates oettlei* Till, 1960: 75*Psorergates* (*Psorergates*) *oettlei* (Till): Fain, 1961: 61; Fain, Lukoschus & Hallmann, 1966: 258

Type locality: Johannesburg

Distribution: South Africa

Host: *Mastomys* [*Rattus*] *natalensis* (Rodentia: Muridae, Murinae)***Psorergates olawaensis*** Haitlinger*Psorergates olawaensis* Haitlinger, 1987: 539

Type locality: Wrocław

Distribution: Poland

Host: *Crocidura suaveolens* (Soricomorpha: Soricidae)

Psorergates paraxeri Giesen et Lukoschus

Psorergates paraxeri Giesen & Lukoschus, 1982: 2

Type locality: Zoutpansberg (22° 58' S, 29° 56' E), Mahalapye (Botswana)

Distribution: Botswana, South Africa

Host: *Paraxerus cepapi* (Rodentia: Sciuridae)

Psorergates peromysci Giesen, Lukoschus, Whitaker et Gettinger

Psorergates peromysci Giesen, Lukoschus, Whitaker & Gettinger, 1983: 164

Type locality: Lively (Ontario), Abercorn (Quebec), Lincoln Co. (Oregon), Oconne Co. (Georgia)

Distribution: Canada (Ontario, Quebec), USA (Oregon, Georgia)

Hosts: *Peromyscus leucopus*, *P. maniculatus* (Rodentia: Cricetidae)

Psorergates pinetorum Giesen, Lukoschus, Whitaker et Gettinger

Psorergates pinetorum Giesen, Lukoschus, Whitaker & Gettinger, 1983: 166

Type locality: Huntingdon Co. (Pennsylvania), Bicknell (Indiana)

Distribution: USA (Pennsylvania, Indiana)

Host: *Microtus pinetorum* (Rodentia: Arvicolidae)

Psorergates pitymydis Lukoschus, Fain et Beaujean

Psorergates (Psorergates) pitymydis Lukoschus, Fain & Beaujean, 1967: 151

Psorergates pitymydis, Giesen, 1990: 56

Type locality: Arganda nr. Madrid, Jaca (Huesca)

Distribution: Spain

Host: *Microtus [Pitymys] duodecimcostatus flavescens* (Rodentia: Arvicolidae)

Psorergates polonicus Haitlinger

Psorergates polonicus: Haitlinger, 1986: 425

Type locality: Wrocław – Swojczyce

Distribution: Poland

Host: *Microtus [Pitymys] subterraneus* (Rodentia: Arvicolidae)

Psorergates quercinus Lukoschus, de Cock et Driessen

Psorergates quercinus Lukoschus, de Cock & Driessen, 1971: 195

Type locality: Madrid

Distribution: Spain

Host: *Eliomys quercinus* (Rodentia: Gliridae)

Psorergates rattus Fain et Goff

Psorergates rattus Fain & Goff, 1986: 197; Cierocka & Izdebska, 2019: 314

Type locality: Oahu I., Nuuanu (Hawaiian Is.)

Distribution: USA (Hawaiian Islands), Poland

Host: *Rattus norvegicus* (Rodentia: Muridae, Murinae)

Psorergates simplex Tyrrell

Psorergates simplex Tyrrell, 1883: 337; Neumann, 1893: 13; Canestrini, 1894: 809; Oudemans, 1906: 77; Vitzthum, 1929: 54; Dubinin, 1953: 276; Zumpt & Till, 1955: 269; Dubinin, 1955: 151; Till, 1960: 75; Fain, 1961: 61; Spicka, 1976: 418; Kamali, Ostovan & Atamehr, 2001; Izdebska & Fryderyk, 2012: 20

Psorergates (Psorergates) simplex (Tyrrell): Fain, Lukoschus & Hallmann, 1966: 252

Type locality: Canada

Distribution: Canada, France, Holland, Iran, Russia, USA (Indiana)

Hosts: *Mus musculus* (Rodentia: Muridae, Murinae); *Arvicola terrestris*, *Microtus arvalis* (Arvicolidae)

Psorergates sorici Lukoschus

Psorergates sorici Lukoschus, 1968: 85

Type locality: Nijmegen (Holland)

Distribution: Holland

Host: *Sorex araneus araneus* (Soricomorpha: Soricidae)

Psorergates squamipes Lukoschus, Louppen et Maa

Psorergates squamipes Lukoschus, Louppen & Maa, 1974: 51

Type locality: Arisan, 2300 m

Distribution: Taiwan

Host: *Anourosorex squamipes* (Soricomorpha: Soricidae)

Psorergates talpae Lukoschus

Psorergates (Psorergates) talpae Lukoschus, 1968: 75

Type locality: Nijmegen (Holland)

Distribution: Holland, Spain

Host: *Talpa europaea europaea* (Soricomorpha: Talpidae, Talpinae)

Psorergates townsendi Giesen, Lukoschus, Whitaker et Gettinger

Psorergates townsendi Giesen, Lukoschus, Whitaker & Gettinger, 1983: 169

Type locality: Lincoln Co. (Oregon)

Distribution: USA (Oregon)

Host: *Microtus townsendi* (Rodentia: Arvicolidae)

Psorergates tupaiae Giesen et Lukoschus*Psorergates tupaiae* Giesen & Lukoschus, 1982: 259

Type locality: Mt. Kenepai (Borneo)

Distribution: Malaysia (Borneo)

Host: *Tupaia dorsalis* (Scandentia: Tupaiidae)***Psorergates urotrichi*** Giesen et Lukoschus*Psorergates urotrichi* Giesen & Lukoschus, 1983: 405

Type locality: Hakuba, Nagano

Distribution: Japan

Host: *Urotrichus talpoides* (Soricomorpha: Talpidae)***Psorergates watsoni*** Kok, Lukoschus et Clulow*Psorergates watsoni* Kok, Lukoschus & Clulow, 1971: 1243

Type locality: Sudbury (Ont.)

Distribution: Canada (Ontario)

Host: *Peromyscus maniculatus* (Rodentia: Cricetidae)***Psorergates zibethicalis*** Lukoschus, Fain et Beaujean*Psorergates (Psorergates) zibethicalis* Lukoschus, Fain & Beaujean, 1967: 134*Psorergates zibethicalis*,

Type locality: Prümzurlay in der Eifel, Germany

Distribution: [Germany]

Host: *Ondatra zibethica* (Rodentia: Arvicolidae)***Psorergates* sp.***Psorergates* sp.

Distribution: Canada

Host: *Microsorex koyi* (Soricomorpha: Soricidae)**Genus *Psorergatoides*** Fain*Psorergatoides* Fain, 1959b: 232 (Subgenus of *Psorergates*)*Psorergatoides*: Giesen, 1990: 22 (Genus)Type species: *Psorergates (Psorergatoides) kerivoulae* Fain, 1959***Psorergatoides artibeii*** Lukoschus, Rosmalen et Fain*Psorergatoides artibeii* Lukoschus, Rosmalen & Fain, 1973: 70

Type locality: Paramaribo

Distribution: Suriname

Host: *Artibeus lituratus fallase* (Chiroptera: Phyllostomatidae, Stenodermatinae)

Psorergatoides australiensis Giesen, Lukoschus et Fain

Psorergatoides australiensis Giesen, Lukoschus & Fain, 1982: 315; Domrow, 1991: 1336; Halliday, 1998: 79

Type locality: Geikie Gorge, W. A. (18° 05' S; 125° 43' E)

Distribution: Australia (Western Australia)

Hosts: *Vespadellus* [*Eptesicus*] *pumilus*, *V. [E.] [douglasi] douglasorum*, *Nyctophilus arnhemensis*, *N. gouldi*, *N. walkeri* (Chiroptera: Vespertilionidae)

Psorergatoides desmodus Lukoschus, Louppen et Fauran

Psorergatoides desmodus Lukoschus, Louppen & Fauran, 1979: 311

Type locality: Cayenne

Distribution: French Guyana

Host: *Desmodus rotundus* (Chiroptera: Phyllostomatidae, Desmodontinae)

Psorergatoides emballonurae Fain

Psorergates (Psorergatoides) emballonurae Fain, 1959b: 241

Psorergatoides emballonurae Fain

Type locality: Buin (Bougainville Is.)

Distribution: Papua New Guinea (Bougainville)

Host: *Mosia [Emballonura] nigrescens* (Chiroptera: Emballonuridae)

Psorergatoides glossophagae Lukoschus, Rosmalen et Fain, 1973

Psorergatoides glossophagae Lukoschus, Rosmalen & Fain, 1973: 63

Type locality: Leonsberg

Distribution: Suriname

Host: *Glossophaga soricina* (Chiroptera: Phyllostomatidae, Glossophaginae)

Psorergatoides guyanensis Lukoschus, Louppen et Fauran

Psorergatoides guyanensis Lukoschus, Louppen & Fauran, 1979: 322

Type locality: Rochambeau

Distribution: French Guyana

Host: *Rhinophylla pumilio* (Chiroptera: Phyllostomatidae)

Psorergatoides hipposideros Fain

Psorergates (Psorergatoides) hipposideros Fain, 1959b: 237

Psorergatoides hipposideros (Fain): Giesen, 1990: 55

Type locality: Bunia (Ituri); Grotte de Kakontwe

Distribution: DR Congo

Hosts: *Hipposideros abae*, *H. caffer centralis* (Chiroptera: Hipposideridae)

Psorergatoides indicicola Lukoschus, Rosmalen et Fain*Psorergatoides indicicola* Lukoschus, Rosmalen & Fain, 1973: 67

Type locality: Lelydorp

Distribution: Suriname

Hosts: *Saccopteryx bilineata*, *S. canescens* (Chiroptera: Emballonuridae)***Psorergatoides kerivoulae*** (Fain)*Psorergatoides kerivoulae* Fain, 1959a: 61*Psorergates (Psorergatoides) kerivoulae* Fain, 1959b: 239*Psorergates kerivoulae* Fain: Haitlinger, 1979b: 109

Type locality: Bokuma, Pawa (DR Congo)

Distribution: Belgium, DR Congo, Ivory Coast, Malaysia (Borneo), Poland

Hosts: *Kerivoula cuprosa*, *K. [harrisoni] lanosa*, *Myotis bocagei*, *M. muricola*, *M. myotis*, *M. mystacinus*, *Plecotus auritus* (Chiroptera: Vespertilionidae)***Psorergatoides laviae*** (Fain)*Psorergates laviae* Fain, 1959a: 64*Psorergates (Psorergatoides) laviae* Fain, 1959b: 247*Psorergatoides laviae* (Fain): Giesen, 1990: 54

Type locality: Akanyaru River, Gabiro, Kagera Nat. Park

Distribution: Rwanda

Host: *Lavia frons* (Chiroptera: Megadermatidae)***Psorergatoides lonchorhinae*** Fain*Psorergatoides (Psorergatoides) lonchorhinae* Fain, 1959b: 243*Psorergatoides lonchorhina* Fain, Giesen, 1990: 54

Type locality: San Esteban

Distribution: Venezuela

Hosts: *Saccopteryx canescens [canina]* (Chiroptera: Emballonuridae), *Lonchorhina aurita* (Chiroptera: Phyllostomatidae)***Psorergatoides molossi*** Lukoschus, Rosmalen et Fain*Psorergatoides molossi* Lukoschus, Rosmalen & Fain, 1973: 72

Type locality: Lelydorp

Distribution: Suriname

Host: *Molossus molossus* (Chiroptera: Molossidae)***Psorergatoides nyctali*** Baker*Psorergatoides nyctali* Baker, 2005: 67; Heddergott & Claussen, 2008: 57

Type locality: Dartington Hall, near Totnes, Devon, England

Distribution: England, Germany

Host: *Nyctalus noctula* (Chiroptera: Vespertilionidae)

***Psorergatoides nycteris* (Fain)**

Psorergates (Psorergatoides) nycteris Fain, 1959a: 56

Psorergatoides nycteris (Fain): Giesen, 1990: 54

Type locality: Musha, nr. Akanyaru; Elisabethville (= Lubumbashi)

Distribution: DR Congo, Rwanda

Host: *Nycteris macrotis* (Chiroptera: Nycteridae)

***Psorergatoides peropteryx* Lukoschus, Louppen et Fauran**

Psorergatoides peropteryx Lukoschus, Louppen & Fauran, 1979: 316

Type locality: Cayenne

Distribution: French Guyana

Hosts: *Cormura brevirostris*, *Peropteryx macrotis* (Chiroptera: Emballonuridae)

***Psorergatoides rhinolophi* (Fain)**

Psorergates rhinolophi Fain, 1959a: 59

Psorergates (Psorergatoides) rhinolophi Fain, 1959b: 235

Psorergatoides rhinolophi (Fain): Giesen, 1990: 54; Heddergott & Claussen, 2008: 57

Type locality: Lubudi, Uvira (DR Congo), Kambisa (Angola)

Distribution: Angola, Belgium, Burma, DR Congo, France, Germany, Italy, Spain

Hosts: *Rhinolophus aethiops*, *Rh. affinis*, *Rh. clivosus zuluensis*, *Rh. euryale*, *Rh. ferrumequinum*, *Rh. fumigatus*, *Rh. hipposideros*, *Rh. hildebrandti*, *Rh. mehelyi* (Chiroptera: Rhinolophidae)

***Psorergatoides surinamensis* Lukoschus, Louppen et Fauran**

Psorergatoides surinamensis Lukoschus, Louppen & Fauran, 1979: 319

Type locality: Wageningen

Distribution: Suriname

Hosts: *Lophostoma [Tonatia] carrikeri*, *Lophostoma brasiliense [T. nicaraguae]* (Chiroptera: Phyllostomatidae)

***Psorergatoides tadaridae* Giesen, Lukoschus et Nadchatram**

Psorergatoides tadaridae Giesen, Lukoschus & Nadchatram, 1982: 325

Type locality: Gombak Forest Reserve, Selangor

Distribution: Malaysia (Selangor)

Host: *Mops [Tadarida] mops* (Chiroptera: Molossidae)

Genus *Psorobia* Fain

Psorobia Fain, 1959a: 55

Psorergates (Psorobia): Fain, 1961: 61

Type species: *Psorergates ovis* Womersley, 1941

***Psorobia bos* (Johnston)**

Psorergates bos Johnston, 1964: 1; Oberem & Malam, 1983: 63

Psorobia bos (Johnston): Fain, 19; Giesen & Yunker, 1985: 37; Baker, Andrews & Fox, 1996; Andrews, Baker, Fox & Brizuela, 1997: 183.

Type locality: New Mexico

Distribution: Great Britain, South Africa, USA (New York, New Mexico)

Host: *Bos taurus* (Artiodactyla: Bovidae)

Psorobia castoris Kok, Lukoschus et Clulow

Psorobia castoris Kok, Lukoschus & Clulow, 1970: 1419

Type locality: Blezard Valley (Ontario)

Distribution: Canada (Ontario)

Host: *Castor canadensis* (Rodentia: Castoridae)

Psorobia cercopitheci Zumpt et Till

Psorergates cercopitheci Zumpt & Till, 1955: 272; Seier, 1985: 236

Psorobia cercopitheci (Zumpt & Till): Fain, 19...

Type locality: Bedford, Cape Province

Distribution: South Africa

Host: *Cercopithecus aethiops pygerythus* (Primates: Cercopithecidae)

Psorobia elephantuli Giesen, Spicka et Whitaker

Psorobia elephantuli Giesen, Spicka & Whitaker, 1985: 147

Type locality: Mezuna, Tunis

Distribution: Tunisia

Host: *Elephantulus rozeti* (Macroscelidea: Macroscelididae)

Psorobia foinae (Fain et Lukoschus)

Psorergates (Psorobia) foinae Fain & Lukoschus, 1968: 3

Psorobia foinae (Fain et Lukoschus): Giesen, 1990: 56

Type locality: Torgny, Belgium

Distribution: Belgium

Host: *Martes foina* (Carnivora: Mustelidae)

Psorobia hystrici (Till)

Psorergates hystrici Till, 1957: 329

Psorobia hystrici (Till): Giesen, 1990: 56

Type locality: Winburg, Orange Free State

Distribution: South Africa

Host: *Hystrix africae australis* (Rodentia: Hystricidae)

Psorobia lagomorphae Giesen, Spicka et Whitaker

Psorobia sp.: Wassel, Whitaker & Spicka, 1980: 419

Psorobia lagomorphae Giesen, Spicka & Whitaker, 1985: 148

Type locality: Parke Co., 8 mi. S. Rockville, Indiana

Distribution: USA (Indiana)

Host: *Sylvilagus floridanus* (Lagomorpha: Leporidae)

Psorobia mustelae (Lukoschus)

Psorergates (Psorobia) mustelae Lukoschus, 1969: 111

Psorobia mustelae (Lukoschus): Giesen, 1990: 56

Type locality: Nijmegen (Holland)

Distribution: Holland

Hosts: *Mustela erminea*, *M. nivalis* (Carnivora: Mustelidae)

Psorobia ovis (Womersley)

Psorergates ovis Womersley, 1941: 56; Carter, 1941: 193; Davis, 1954: 255; Fiedler & du Toit, 1954: 21; Zumpt & Till, 1955: 270; Whitten & Elliott, 1956: 19; Sinclair & Girson, 1970; Sinclair, 1990: 59; Whitten, 1962: 9; Pomroy, 1985: 18

Psorergates (Psorobia) ovis (Womersley): Fain, 1961: 62

Psorobia ovis (Womersley): Fain, 1959a: 56

Type locality: Australia

Distribution: Australia, New Zealand, South Africa, USA

Host: *Ovis aries* (Artiodactyla: Bovidae)

Psorobia zumpti (Fain)

Psorergates (Psorobia) zumpti Fain, 1965: 295

Psorobia zumpti (Fain): Giesen, 1990: 56

Type locality: Bloemfontein

Distribution: South Africa

Host: *Cryptomys hottentotus* (Rodentia: Bathyergidae)

N.B.: In the general paper of Giessen (1990) are mentioned also *Psorergates alleni* and *P. ramai*.

Index of Psorergatidae

(Names in bold are accepted as **valid**)

agrestis, *Psorergates* 178

alleni, *Psorergates*

apodemi, *Psorergates* 178

artibei, *Psorergatoides* 185

arvalis, *Psorergates* 178

auricola, *Psorergates* 178

australiensis, *Psorergatoides* 186

baueri, *Psorergates* 178

bos, *Psorergates* 189

bos, *Psorobia* 189

callipidis, *Psorergates* 178

canadensis, *Psorergates* 179

- castoris*, *Psorobia* 189
cercopitheci, *Psorergates* 189
cercopitheci, *Psorobia* 189
cinereus, *Psorergates* 179
crocidurae, *Psorergates* 179
cryptotis, *Psorergates* 179
deomydis, *Psorergates* 179
desmanae, *Psorergates* 179
desmodus, *Psorergatoides* 186
dissimilis, *Psorergates* 180
doriae, *Psorergates* 180
dremomydis, *Psorergates* 180
elephantuli, *Psorobia* 189
eliomydis, *Psorergates* 180
emballonurae, *Psorergatoides* 186
etruscus, *Psorergates* 180
foinae, *Psorergates* (*Psorobia*) 189
foinae, *Psorobia* 189
fritzi, *Psorergates* 180
glaucomys, *Psorergates* 180
glossophagae, *Psorergatoides* 186
Goniomerus 177
guyanensis, *Psorergatoides* 186
hipposideros, *Psorergatoides* 186
hispanicus, *Psorergates* 181
hystrici, *Psorergates* 189
hystrici, *Psorobia* 189
indicola, *Psorergatoides* 187
kerivoulae, *Psorergatoides* 187
lagomorphae, *Psorobia* 190
laviae, *Psorergates* 187
laviae, *Psorergatoides* 187
lonchorhina, *Psorergatoides* 187
lonchorhinae, *Psorergatoides* 187
meati, *Psorergates* 181
mexicanus, *Psorergates* 181
micromydis, *Psorergates* 181
microti, *Psorergates* 181
molossi, *Psorergatoides* 187
muricola, *Psorergates* 181
muscardinus, *Psorergates* 182
musculus, *Goniomerus* 182
musculus, *Psorergates* 182
mustelae, *Psorergates* (*Psorobia*) 190
mustelae, *Psorobia* 190
neerlandicus, *Psorergates* 182
nyctali, *Psorergatoides* 187
nycteris, *Psorergatoides* 188
oeconomi, *Psorergates* 182
oettlei, *Psorergates* 182
olawaensis, *Psorergates* 182
ovis, *Psorergates* 190
ovis, *Psorobia* 190
paraxeri, *Psorergates* 183
peromysci, *Psorergates* 183
pinetorum, *Psorergates* 183
pitymydis, *Psorergates* 183
polonicus, *Psorergates* 183
Psorergates 177
Psorergatidae 177
Psorergatoides 185
Psorobia 188
peropteryx, *Psorergatoides* 188
quercinus, *Psorergates* 183
ramai, *Psorergates*
rattus, *Psorergates* 184
rhinolophi, *Psorergates* 188
rhinolophi, *Psorergatoides* 188
simplex, *Psorergates* 184
sorici, *Psorergates* 184
squamipes, *Psorergates* 184
surinamensis, *Psorergatoides* 188
tadaridae, *Psorergatoides* 188
talpae, *Psorergates* 184
townsendi, *Psorergates* 184
tupaiae, *Psorergates* 185
urotrichi, *Psorergates* 185
watsoni, *Psorergates* 185
zibethicalis, *Psorergates* 185
zumpti, *Psorergates* (*Psorobia*) 190
zumpti, *Psorobia* 190

Distribution of Psorergatidae

EUROPE

Austria (Lukoschus, de Cock & Driessen, 1971) – *Psorergates apodemi*, *P. baueri*, *P. dissimilis*

Azerbaijan (Gadjiev et al., 1988) – *Psorobia ovis*

Belgium (Fain, 1959; Fain & Lukoschus, 1968) – *Psorergates muricola*, *Psorergatoides kerivoulae*, *P. rhinolophi*; *Psorobia foinae*

Bulgaria (Beron, 1970, 1973) – *Psorergates apodemi*, *P. muricola*

Denmark

Groenland (Giesen, 1990) – *Psorergates* sp.

France (Neumann, 1893; Lukoschus, 1968a, 1968b) – *Psorergates desmanae*, *P. simplex*, *Psorergatoides rhinolophi*

Germany (Lukoschus, Fain & Beaujean, 1967; Lukoschus, de Cock & Driessen, 1971; Heddergott & Claussen, 2008) – *Psorergates apodemi*, *P. muscardinus*, *P. zibethicalis*, *Psorergatoides nyctali*, *P. rhinolophi*

Great Britain (Michael, 1889; Andrews, Baker, Fox & Brizuela, 1997; Baker, 2005) – *Psorergates musculus*, *Psorergatoides nyctali*, *Psorobia bos*

Holland (Fain, Lukoschus & Hallmann, 1966; Lukoschus, Fain & Beaujean, 1967; Lukoschus, 1968a, 1969; Lukoschus, de Cock & Driessen, 1971; Giesen, 1990) – *Psorergates agrestis*, *P. apodemi*, *P. crocidurae*, *P. dissimilis*, *P. micromydis*, *P. microti*, *P. neerlandicus*, *P. oeconomus*, *P. simplex*, *P. sorici*, *P. talpae*; *Psorobia mustelae*

Italy (Piana, 1886; de Cock, Lukoschus & Ariani, 1970) – *Psorergates etruscus*; *Psorergatoides rhinolophi*

Poland (Haitlinger, 1978, 1979b, 1986, 1987, 1997; Izdebska & Fryderyk, 2012; Cierocka & Izdebska, 2019) – *Psorergates apodemi*, *P. dissimilis*, *P. microti*, *P. muricola*, *P. musculus*, *P. olawaensis*, *P. polonicus*, *P. rattus*, *P. simplex*, *Psorergatoides kerivoulae*

Romania (Haitlinger, 1980) – *Psorergates apodemi*

Russia (all) (Dubinin, 1953, 1955; Sosnina, 1970) – *Psorergates apodemi*, *P. musculus*, *P. simplex*

Spain (cont.) (Lukoschus, Fain & Beaujean, 1967; Lukoschus, 1967, 1968a; Lukoschus, de Cock & Driessen, 1971; Zapatero Ramos et al., 1982) – *Psorergates arvalis*, *P. auricola*, *P. callipidis*, *P. crocidurae*, *P. eliomys* [Ibiza], *P. hispanicus*, *P. meati*, *P. pitymydis*, *P. quercinus*, *P. talpae*; *Psorergatoides rhinolophi*

Sweden (Giesen, 1990) – *Psorergates* sp.

Switzerland (Sosnina, 1970) – *Psorergates apodemi*

Ukraine (Dubinin, 1955; Sosnina, 1970) – *Psorergates apodemi*, *P. dissimilis*

AFRICA

Angola (Giesen, 1990) – *Psorergatoides rhinolophi*

Botswana (Giesen & Lukoschus, 1982) – *Psorergates paraxeri*

Congo DR (formerly Zaire)(Fain, 1959a, 1959b, 1961; Fain, Lukoschus & Hallmann, 1966; Lukoschus, Fain & Beaujean, 1967;) – *Psorergates deomydis*; *Psorergatoides kerivoulae*, *P. nycteris*, *P. rhinolophi*

Ivory Coast (Giesen, 1990) – *Psorergatoides kerivoulae*

Madagascar (Giesen, 1990) – *Psorergatidae* gen. sp.

Rwanda (Fain, 1959a) – *Psorergatoides laviae*, *P. nycteris*

South Africa (Lavoipierre, 1946; Fiedler & du Toit, 1954; Zumpt & Till, 1955; Till, 1960; Fain, 1965; Oberem & Malan, 1983) – *Psorergates cepapi*, *P. oettlei*, *P. paraxeri*; *Psorobia bos*, *P. cercopitheci*, *P. hystrici*, *P. ovis*, *P. zumpti*

Tunisia (Giesen, Spicka & Whitaker, 1985) – *Psorobia elephantuli*

ASIA

Burma (Giesen, 1990) – *Psorergatoides rhinolophi*

China (Giesen, 1990) – *Psorergates crocidurae*

Iran (Kamali, Ostovan & Atamehr, 2001) – *Psorergates simplex*

Japan (Giesen & Lukoschus, 1983) – *Psorergates urotrichi*

Malaysia (cont.) (Beck, 1971; Giesen, Lukoschus & Nadchatram, 1982; Giesen, Nutting & Nadchatram, 1989; Giesen & Lukoschus, 1982) – *Psorergates doriae*, *P. dremomydis*, *P. fritzi*; *Psorergatoides tadaridae*

Sarawak and Sabah (Giesen & Lukoschus, 1982) – *Psorergates tupaiae*; *Psorergatoides kerivoulae*

Singapore (Giesen, Nutting & Nadchatram, 1989) – *Psorergates fritzi*

Taiwan (Lukoschus, Louppen & Maa, 1974) – *Psorergates squamipes*

NORTH AMERICA

Canada (Tyrrell, 1883; Kok, Lukoschus & Clulow, 1970, 1971; Giesen, Lukoschus, Whitaker & Gettinger, 1983) – *Psorergates canadensis*, *P. cinereus*, *P. peromysci*, *P. simplex*, *P. watsoni*; *Psorobia castoris*

Mexico (Giesen, 1990) – *Psorergates mexicanus*

USA (Ah, Peckham & Ateyo, 1973; Spicka, 1976; Wassel, Whitaker & Spicka, 1980; Giesen, Lukoschus, Whitaker & Gettinger, 1983; Giesen, Spicka & Whitaker, 1985; Giesen & Yunker, 1985;) – *Psorergates glaucomys*, *P. mexicanus*, *P. peromysci*, *P. pinetorum*, *P. simplex*, *P. townsendi*; *Psorobia bos*, *P. lagomorphae*, *P. ovis*

Hawaii Is. (Fain & Goff, 1986) – *Psorergatus rattus*

SOUTH and CENTRAL AMERICA

French Guyana (Lukoschus, Louppen & Fauran, 1979) – *Psorergatoides desmodus*, *P. guyanensis*, *P. peropteryx*

Panama (Giesen & Lukoschus, 1983) – *Psorergates cryptotis*

Suriname (Lukoschus, Rosmalen & Fain, 1973) – *Psorergatoides artibei*, *P. glossophagae*, *P. molossi*, *P. nidicola*, *P. surinamensis*

Venezuela (Fain, 1959b) – *Psorergates* sp., *Psorergatoides lonchorrhinae*

OCEANIA

Australia (continent) (Womersley, 1941; Carter, 1941; Toop, 1948; Murray, 1961; Downing & Mort, 1962; Sutherland, 1965; Giesen, Lukoschus & Fain, Sinclair & Girson, 1970; 1982; Sinclair, 1990; Domrow, 1991) – *Psorergatoides australiensis*; *Psorobia ovis*

New Zealand (Whitten & Elliott, 1956; Whitten, 1962; Pomroy, 1985) – *Psorobia ovis*

Papua New Guinea (Fain, 1959b) – *Psorergatoides emballonuræ*

Hosts of Psorergatidae

Mammalia

Soricomorpha

Fam. Soricidae

Anourosorex squamipes – *Psorergates squamipes*

Crocidura doriae – *Psorergates* [*doriae*] *foetida*

C. lasiura – *Psorergates crocidurae*

C. russula russula – *Psorergates crocidurae*

C. suaveolens – *Psorergates olawaensis*

Cryptotis n. nigrescens – *Psorergates cryptotis*

Microsorex koyi – *Psorergates* sp.

Neomys fodiens – *Psorergates baueri*

Notiosorex crawfordi – *Psorergates mexicanus*

Sorex araneus – *Psorergates sorici*

S. cinereus – *Psorergates cinereus*

Suncus etruscus – *Psorergates etruscus*

Fam. Talpidae

Galemys pyrenaicus – *Psorergates desmanae*

Neurotrichus gibbsi – *Psorergates* sp.

Talpa europaea europaea – *Psorergates talpae*

Urotrichus talpoides – *Psorergates urotrichi*

Afrosoricida

Fam. Tenrecidae

Echinops telfairi – *Psorergatidae* sp.

Macroscelidea

Fam. Macroscelididae

Elephantulus rozeti – *Psorobia elephantuli*

Scandentia**Fam. Tupaiidae***Tupaia dorsalis* – *Psorergates tupaiae**T. glis* – *Psorergates fritzi***Chiroptera****Fam. Emballonuridae***Cormura brevirostris* – *Psorergatoides peropteryx**Mosia* [*Emballonura*] *nigrescens* – *Psorergatoides emballonurae**Peropteryx macrotis* – *Psorergatoides peropteryx**Saccopteryx canina* – *Psorergatoides lonchorhinae**S. bilineata* – *Psorergatoides indicicola**S. canescens* – *Psorergatoides indicicola***Fam. Hipposideridae***Hipposideros caffer centralis* – *Psorergatoides hipposideros**H. abae* – *Psorergatoides hipposideros***Fam. Megadermatidae***Lavia frons* – *Psorergatoides laviae***Fam. Molossidae***Molossus ater* – *Psorergatoides molossi**M. molossus* – *Psorergatoides molossi**Mops* [*Tadarida*] *mops* – *Psorergatoides tadaridae***Fam. Nycteridae***Nycteris macrotis* – *Psorergatoides nycteris***Fam. Phyllostomatidae***Artibeus lituratus fallax* – *Psorergatoides artibeus**Desmodus rotundus* – *Psorergatoides desmodus**Glossophaga soricina* – *Psorergatoides glossophagae**Lonchorhina aurita* – *Psorergatoides lonchorhinae**Rhynophylla pumilio* – *Psorergatoides gyuanensis**Lophostoma* [*Tonatia*] *carrikeri* – *Psorergatoides surinamensis**Lophostoma brasiliense* [*Tonatia nicaraguae*] – *Psorergatoides surinamensis***Fam. Rhinolophidae***Rhinolophus aethiops* – *Psorergatoides rhinolophi**Rh. affinis* – *Psorergatoides rhinolophi**Rh. clivosus zuluensis* – *Psorergatoides rhinolophi**Rh. euryale* – *Psorergatoides rhinolophi**Rh. fumigatus* – *Psorergatoides rhinolophi**Rh. hildebrandti* – *Psorergatoides rhinolophi**Rh. hipposideros* – *Psorergatoides rhinolophi**Rh. mehelyi* – *Psorergatoides rhinolophi***Fam. Vespertilionidae**

Kerivoula cuprosa – *Psorergatoides kerivoulae*
K. [harrisoni bellula] lanosa – *Psorergatoides kerivoulae*
Myotis bocagei – *Psorergatoides kerivoulae*
M. muricola – *Psorergatoides kerivoulae*
M. myotis – *Psorergatoides kerivoulae*
M. mystacinus – *Psorergatoides kerivoulae*
Nyctalus noctula – *Psorergatoides nyctali*
Nyctophilus arnhemensis – *Psorergatoides australiensis*
N. gouldi – *Psorergatoides australiensis*
N. walkeri – *Psorergatoides australiensis*
Plecotus auritus – *Psorergatoides kerivoulae*
Vespadellus [Eptesicus] pumilus – *Psorergatoides australiensis*
Vespadellus douglasorum [E. douglasi] – *Psorergatoides australiensis*

Rodentia

Fam. Arvicolidae

Arvicola terrestris – *Psorergates simplex*
Myodes [Clethrionomys] glareolus – *Psorergates microti*, *P. dissimilis*
M. [C.] gapperi atabasca – *Psorergates* sp.
M. [C.] gapperi proteus – *Psorergates* sp.
M. [C.] rufocanus – *Psorergates* sp.
M. [C.] rutilus – *Psorergates* sp.
Dicrostonyx groenlandicus – *Psorergates* sp.
Microtus agrestis bailloni – *Psorergates agrestis*
M. agrestis – *Psorergates microti*
M. arvalis – *Psorergates simplex*, *P. dissimilis*
M. arvalis meridianus – *Psorergates arvalis*
M. [Pitymys] duodecimcostatus flavescens – *Psorergates auricola*, *P. pitymydis*
M. nivalis – *Psorergates* sp.
M. oeconomus – *Psorergates neerlandicus*
M. oeconomus arenicola – *Psorergates oeconomi*
M. pennsylvanicus – *Psorergates canadensis*
M. [Pitymys] pinetorum – *Psorergates pinetorum*
M. townsendi – *Psorergates townsendi*
Microtus townsendi – *Psorergates townsendi*
Ondatra zibethica – *Psorergates zibethicalis*

Fam. Bathyergidae

Cryptomys hottentotus – *Psorobia zumpti*

Fam. Castoridae

Castor canadensis – *Psorobia castoris*

Fam. Cricetidae

Peromyscus maniculatus – *Psorergates watsoni*, *P. peromysci*

P. leucopus – *Psorergates peromysci*
Reithrodontomys megalotis – *Psorergates* sp.
Sigmodon hispidus – *Psorergates* sp.

Fam. Gliridae (Myoxidae)

Eliomys quercinus – *Psorergates pitymydis*
E. quercinus ophiussae – *Psorergates eliomydis*
Muscardinus avellanarius – *Psorergates muscardinus*

Fam. Heteromyidae

Heteromys anomalus – *Psorergates* sp.

Fam. Hystricidae

Hystrix africaeaustralis – *Psorobia hystrici*

Fam. Muridae

Deomys ferrugineus chrystyi – *Psorergates deomydis*
Hybomys univittatus – *Psorergates muricola*
Lophuromys aquilus – *Psorergates muricola*
Micromys minutus soricinus – *Psorergates micromydis*
Mus musculus – *Psorergates muricola*, *P. simplex*
M. musculus commissarius – *Psorergates hispanicus*
M. spretus – *Psorergates hispanicus*
Otomys [irroratus elgonis] tropicalis – *Psorergates muricola*
Rattus norvegicus – *Psorergates rattus*
R. natalensis – *Psorergates oettlei*
Sylvaemus sylvaticus – *Psorergates apodemi*, *P. muricola*
S. sylvaticus callipides – *Psorergates callipidis*, *P. meati*
S. flavicollis – *Psorergates apodemi*, *P. muricola*
S. microps – *Psorergates apodemi*
S. uralensis – *Psorergates apodemi*

Fam. Sciuridae

Dremomys rufigenis – *Psorergates dremomydis*
Glaucomys v. volans – *Psorergates glaucomys*
Paraxerus cepapi – *Psorergates paraxeri*

Lagomorpha

Fam. Leporidae

Sylvilagus floridanus – *Psorobia lagomorphae*

Carnivora

Fam. Mustelidae

Martes foina – *Psorobia foinae*
Mustela erminea – *Psorobia mustelae*
M. nivalis – *Psorobia mustelae*

Primates

Fam. Cercopithecidae

Cercopithecus aethiops pygerythrus – *Psorobia cercopitheci*

C. mona mona – *Psorobia* sp.

Macaca arctoides (USA, captured) – *Psorobia* sp.

Artiodactyla

Fam. Bovidae

Bos taurus – *Psorobia bos*

Ovis aries – *Psorobia ovis*

Bibliography of Psorergatidae

- Ah Hyong-Sun, J. C. Peckman, W. T. Atyeo. 1973. *Psorergates glaucomys* sp. n. (Acari: Psorergatidae), a cystogenous mite from the southern flying squirrel (*Glaucomys v. volans*), with histopathological notes on a mite-induced dermal cyst. – J. Parasitol., **59**(2): 369–374.
- Andrews A.S. Baker, M. Fox, C. Brizuela. 1997. A cattle skin condition in Britain associated with the cattle itch mite *Psorobia bos*. – Veterinary Record, **140**: 183.
- Baker A. 2005. *Psorergatoides nyctali* (Prostigmata: Psorergatidae), a new mite species parasitizing the bat *Nyctalus noctula* (Mammalia: Chiroptera) in the British Isles. – Syst. & Applied Acarology, **10**: 67–74.
- Baker A.S., A.H. Andrews, M.T. Fox. 1996. First record of the cattle itch mite, *Psorobia bos* (Prostigmata: Psorergatidae), in the Palearctic Region. – Syst. & Applied Acarology, **1**: 213–216.
- Beck A. J. 1971. A survey of bat ectoparasites in West Malaysia. – J. of Med. Entomology, **8**(2): 147–152.
- Bell D. S., W. D. Pouden, B. H. Edgington, O. G. Bentley. 1952. *Psorergates ovis* – a cause of itchiness in sheep. – J. Amer. Vet. Med. Assoc., **120**: 117–120.
- Beresford-Jones W. P., M. A. 1965. Occurrence of the mite *Psorergates simplex* in mice. – Austral. Vet. J., **41**: 289–290.
- Beron P. 1970. Sur quelques Acariens (Myobiidae, Psorergatidae, Spinturnicidae, Sarcoptidae et Listrophoroidea) de Bulgarie et de l'île de Crète. – Bull. Inst. Zool., Sofia, **32**: 143–149.
- Beron P. 1973. Catalogue des Acariens parasites et commensaux des Mammifères en Bulgarie. – Bull. Inst. Zool. Mus. Sofia, **37**: 167–199.
- Canestrini G. 1894a. Prospetto dell'Acarofauna italiana. Parte VI. Famiglia dei Psoroptidi (Psoroptidae) pendice ai Fitoptidi italiani. Varia: *Psorergates*, *Hemisarcoptes*, *Histiogaster*, *Psoroptes ovis*, *Otodectes furonis*. Gli Epidermoptini. – Padova, Stabilimento Prosperini.
- Canestrini G. 1894b. Varia. *Psorergates*, *Hemisarcoptes*, *Histiogaster*. Appendice ai psoroptidi. – Prospetto dell'Acarofauna Italiana: 809–812.
- Carter H. B. 1941. A skin disease of sheep due to an ectoparasitic mite, *Psorergates ovis* Womersley, 1941. – Austr. Vet. J., **17**: 193–201.
- Cierocka K., J. Izdebska. 2019. Psorergatidae mite infestation in the brown rat *Rattus norvegicus* (Rodentia, Muridae): the first record of *Psorergates rattus* (Acariformes, Prostigmata) in Europe. – Turkish Journal of Zoology, **43**: 314–317.

- Cock De A. W. A. M., Lukoschus F. S., A. P. Ariani. 1970. *Psorergates etruscus* sp. n. (Acari: Psorergatidae), a new itch mite from *Suncus etruscus* (Soricidae). – Ann. Ist. Mus. Zool. Univ. Napoli, **19**(4): 1–9.
- Cook R. 1956. Murinae ear mange: The control of *Psorergates simplex* infestation. – Brit. Vet. J., **112** (1): 22–25.
- Davis J. W. 1954. Studies of the sheep mite, *Psorergates ovis*. – Amer. J. Vet. Res., **15**: 255–257.
- Domrow R. 1991. Acari Prostigmata (excluding Trombiculidae) parasitic on Australian vertebrates: an annotated checklist, keys and bibliography. – Invertebr. Taxon., **4**: 1283–1376.
- Downing W., P. Mort. 1962. Experiments in the control of the itch mite, *Psorergates ovis*, Womersley 1941. Part 1 and 2. – Austr. Vet. J., **38**: 77–85 and 269–274.
- [Dubinin W. B.] В.Б. Дубинин. 1953. [The parasitofauna of the rodents and its change in the delta of Volga] Паразитофауна мышевидных грызунов и ее изменения в дельте Волги. – Parazitologicheskii sbornik, **15**: 252–301 (in Russian).
- Dubinin W. 1955. Acariens de rongeurs d'U. R. S. S. II. Psorergatidae. – Trav. Acad. Sci. U. R. S. S., Zool., **59**: 150–152 (In Russian).
- Dubinin W. 1957. New classification of the mites of the superfamilies Cheyletoidea W. Dub. and Demodicoidea W. Dub. (Acariformes, Trombidiformes). – Mag. Parasit., **17**: 103–131.
- Fain A. 1959a. Les Acariens psoriques parasites des Chauves-souris. III. Le genre *Psorergates* Tyrrell (Trombidiformes-Psorergatidae). – Bull. et Ann. Soc. R. entomol. Belg., **95**(1–4): 54–69.
- Fain A. 1959b. Les Acariens psoriques parasites des Chauves-souris. IX. Nouvelles observations sur le genre *Psorergates* Tyrrell. – Bull. et Ann. Soc. R. entomol. Belg., **95**(7–8): 232–248.
- Fain A. 1961. Notes sur le genre *Psorergates* Tyrrell. Description de *Psorergates ovis* Womersley et d'une espèce nouvelle. – Acarologia, **3**(1): 60–71.
- Fain A. 1965. Sur un cas de gale chez un rat-taupe (*Cryptomys hottentotus*) produite par un acarien du genre *Psorergates* (Psorergatidae: Trombidiformes). – Acarologia, **7**: 295–300.
- Fain A., M.L. Goff. 1986. *Psorergates rattus* (Acari: Psorergatidae), a new species of parasitic mite from *Rattus norvegicus* in Hawaii. – Intern. J. Acarol., **12**(2): 107–110.
- Fain A., F. Lukoschus. 1968. *Psorergates* (*Psorobia*) *foinae* sp. n., acarien producteur de gale chez la foine en Belgique. – Bull. Inst. r. Sci. nat. Belg., **44** (14): 1–6.
- Fain A., F. Lukoschus, P. Hallmann. 1966. Le genre *Psorergates* chez les Muridés. Description de trois espèces nouvelles (Psorergatidae: Trombidiformes). – Acarologia, **8**(2): 251–274.
- Fain A., F. S. Lukoschus, G. Rack. 1973. Notes on parasitic mites from some small mammals in Liberia. – Mitt. Hamburg Zool. Mus. Inst., **71**: 165–174.
- Fiedler O. G. H., R. du Toit. 1954. Australian Itch. A note on its occurrence in South Africa. – J. S. Afr. Vet. Med. Assoc., **25**(2): 21–22.
- Flynn R. J. 1959. Follicular acariasis of mice caused by *Psorergates simplex* successfully treated with aramite. – Amer. J. Vet. Res., **20**: 198–200.
- Flynn RJ, B.H. Jaroslow. 1956. Nidification of a mite (*Psorergates simplex* Tyrrell, 1883: Myobiidae) in the skin of mice. – J. Parasitology, **42**: 49–52.
- Gerlach A. C. 1857. Krätze und Räude, entom. und klin. bearbeitet. – Berlin, **1**(1), plate 8, fig. 44.

- Giesen K. M. T. 1990. A review of the parasitic mite family Psorergatidae (Cheyletoidea: Prostigmata: Acari) with hypotheses on the phylogenetic relationships of species and species group. – Zool. Verhandelingen, **259**, 69 pp.
- Giesen K. M. T., F. S. Lukoschus. 1982a. A new species of the genus *Psorergates* Tyrell, 1883 (Acarina: Prostigmata: Psorergatidae) parasitic on tree-shrew *Tupaia dorsalis* (Mammalia: Scandentia) from Borneo. – Zool. Mededel., **56** (20): 259–266.
- Giesen K. M. T., F. S. Lukoschus. 1982b. A new itch mite (Acarina: Prostigmata: Psorergatidae) from the South African bush squirrel *Paraxerus cepapi*. – Bull. Inst. r. Sci. nat. Belg., **53**(18): 1–9.
- Giesen K. M. T., F. S. Lukoschus. 1983. Two new species of the genus *Psorergates* Tyrell, 1883 (Acarina: Prostigmata: Psorergatidae) parasitic on Insectivores, with a key to the known species from Insectivora hosts. – Acarologia, **24** (4): 403–415.
- Giesen K. M. T., F. S. Lukoschus, A. Fain. 1982. Parasites of Western Australia. XV. A new species of *Psorergatoides* (Acarina: Psorergatidae) from Australian bats. – Rec. West. Aust. Mus., **9**(4): 315–323.
- Giesen K. M. T., F. S. Lukoschus, M. Nadchatram. 1982. Three new itch mites of the family Psorergatidae Dubinin, 1955 (Acarina, Prostigmata) from Malaysian mammals. – Malay. Nat. J., **35**: 315–328.
- Giesen K. M. T., F. S. Lukoschus, J. O. Whitaker Jr., D. Gettinger. 1983. Four new species of itch mites (Psorergatidae: Prostigmata) from small mammals in North America. – J. Med. Entomol., **20**(2): 164–173.
- Giesen K. M. T., W. B. Nutting, M. Nadchatram. 1989. A new mite species of the genus *Psorergates* Tyrrell (Acari: Prostigmata: Psorergatidae) parasitic on the tree shrew *Tupaia glis* from Malaysia and Singapore, with notes on pathology. – Raffles Bull. of Zool., **37**(1–2): 132–141.
- Giesen K. M. T., B. M. O'Connor. (in press.) Phylogenetic and coevolutionary patterns in the genus *Psorergates* (Acarti: Psorergatidae), with description of a new species from *Hodomys alleni* (Rodentia: Muridae). – Submitted to Systematic Parasitology.
- Giesen K. M. T., E. J. Spicka, J. O. Whitaker Jr. 1985. Two new species of the genus *Psorobia*, Fain 1959 (Psorergatidae: Prostigmata) from two new host orders, Lagomorpha and Insectivora. – Acarologia, **26**(2): 147–153.
- Giesen K. M. T., C. E. Yunker. 1985. *Psorobia bos* Johnston, 1964. The cattle itch mite. Description of the male (Acari: Psorergatidae). – Acarologia, **26**(1): 37–41.
- Gill D., R. W. Strandtmann. 1977. Ectoparasites of the Collared lemming (*Dicrostonyx torquatus*) on Bathurst Island, N. W. T., Canada. – J. Med. Entomol., **14**(1): 101–106.
- Graham N. P. H. 1943. Some observations on the bionomics of the itch mite (*Psorergates ovis*) of sheep and its control with lime-sulphur dips. – J. Counc. Scient. & Indust. Res., Australia, **16**: 206–214.
- Graham N. P. H. 1959. The control of itch mite (*Psorergates ovis*) in sheep. – The Australian Veterinary Journal, April: 153

- Grigorjeva L.A. 2007. Peculiarities of the skin lesions in small mammals parasitized by *Psorergates apodemi* and *P. dissimilis* (Cheyletoidea: Psorergatidae). – *Parazitologiya* (St. Petersburg), **41**(3): 235–239.
- Haitlinger R. 1978. *Psorergates dissimilis* Fain, Lukos., Hallm. and *Psorergates apodemi* Fain, Lukos., Hallm. (Psorergatidae: Acarina) two new mites species for fauna of Poland. – *Przegląd Zoologiczny*, **22**(2): 143–146.
- Haitlinger R. 1979a. Pasożyty zewnętrzne nietoperzy Dolnego Śląska V. Trombidiformes, Sarcotiformes (Acarina). – *Wiadomości paraz.*, **25**(1): 105–118.
- Haitlinger R. 1979b. Pasożyty zewnętrzne nietoperzy Dolnego Śląska VI. Acarina, Siphonaptera, Diptera (Nycteribiidae). – *Wiadomości paraz.*, **25**(1): 119–140.
- Haitlinger R. 1980. Stawonogi (Siphonaptera, Anoplura, Coleoptera, Acarina) zebrane z drobnych ssaków Rumunii. – *Wiadomości Parazytol.*, **26**(6): 679–710.
- Haitlinger R. 1982. Acarina (Myobiidae, Cheyletidae, Pygmephoridae, Trombiculidae, Dermanyssidae) nowe lub rzadkie w faunie Polski. – *Wiadomości parazytol.*, **28**(3–4): 435–444.
- Haitlinger R. 1986. *Psorergates polonicus* sp. n. (Acari, Prostigmata, Psorergatidae) from *Pitymys subterraneus* (de Sel. Longch.). – *Bull. Ent. de Pologne*, **56**: 425–426.
- Haitlinger R. 1987a. *Psorergates olawaensis* sp.n. (Acari, Prostigmata, Psorergatidae) from *Crocidura suaveolens* (Pall.). – *Bull. Ent. de Pologne*, **57**: 539–540.
- Haitlinger R. 1987b. *Trichoecius apodemi* Fain, Munting, Lukoschus, 1969 and some mites species (Myocoptidae, Myobiidae, Psorergatidae, Haemogamasidae) new for the fauna of Poland. – *Wiadomości Parazytologiczne*, **33** (1): 81–83.
- Haitlinger R. 1997. Arthropods communities occurring on small mammals from wooded areas of urban agglomeration of Wrocław. – *Zeszyty naukowe Akademii rolniczej we Wrocławiu, Zootechnika XLIII*, **323**: 47–64.
- Heddergott M., A. Claussen. 2008. Kommentierte Checklist der Milben der Gattung *Psorergatoides* Thuringens (Acari). Check – Listen Thuringer Insekten, **16**: 57–58.
- Izdebska J. N., S. Fryderyk. 2012. New for the fauna of Poland species of *Psorergates* spp. with the data of occurrence of mites from Psorergatidae family (Acari, Prostigmata) in native mammals. – *Annals of Parasitology*, **58**: 19–22.
- Johnston D. E. 1964. *Psorergates bos*, a new mite parasite of domestic cattle (Acari: Psorergatidae). – *Ohio Agric. Exper. Sta. Res. Circ.*, **129**: 3–7.
- Kok N. J. J., F. S. Lukoschus, F. V. Clulow. 1970. *Psorobia castoris* spec. nov. (Acarina: Psorergatidae), a new itch mite from the beaver *Castor canadensis*. – *Can. J. Zool.*, **48**: 1419–1423.
- Kok N. J. J., F. S. Lukoschus, F. V. Clulow. 1971. Three new itch mites from Canadian small mammals (Acarina: Psorergatidae). – *Can. J. Zool.*, **49**(9): 1239–1248.
- Lavoipierre M. M. J. 1946. New records of Acari from Southern Africa and the Belgian Congo. – *J. ent. Soc. S. Afr.*, **9**: 79–81.
- Lavoipierre M. M. J., W. Crewe. 1955. The occurrence of a mange-mite *Psorergates* sp. (Acarina), in a West African monkey. – *Ann. Trop. Med. & Parasitol.*, **49**: 351.
- Lee K.J., C.M. Lang, H.C. Hughes, R.D. Hartshorn. 1981. Psorergatic mange (Acari: Psorergatidae) of the stump-tail macaque (*Macaca arctoides*). – *Lab. Anim. Sci.*, **31**(1): 77–79.

- Lukoschus F. S. 1967. Krätzmilben an spanischen Kleinsäugetern (Psorergatidae: Trombidiformes). – Rev. Iber. Parasitol., **27**(3–4): 203–224.
- Lukoschus F. S. 1968a. Neue Krätzmilben von einheimischen Insektivoren (Psorergatidae: Trombidiformes). – Tijdschr. v. Entomol., **111**(3): 75–88.
- Lukoschus F. S. 1968b. *Psorergates desmanae* sp. n., eine neue Krätzmilbe von *Galemys pyrenaeus* (Psorergatidae: Trombidiformes). – Bull. Mus. Nat. Hist. Nat., Paris, **40**(1): 125–131.
- Lukoschus F. S. 1969. *Psorergates (Psorobia) mustelae* spec. nov. eine neue Krätzmilben von *Mustela nivalis* L. (Acarina: Psorergatidae). – Zool. Anz., **183** (1–2): 110–118.
- Lukoschus F. S., A. W. A. M. De Cock, F. M. Driessen. 1971. Four new species of the genus *Psorergates* Tyrell from European hosts (Acarina, Psorergatidae). – Tijdschr. Entomol., **114**(4): 185–200.
- Lukoschus F. S., A. Fain, M. M. J. Beaujean. 1967. Beschreibung neuer *Psorergates*-Arten (Psorergatidae: Trombidiformes). – Tijdschr. V. Entomol., **110**(7): 133–181.
- Lukoschus F. S., J. M. W. Louppen, P. Fauran. 1979. Parasitic mites of Surinam, XIV. New observations on the genus *Psorergatoides* Fain, 1959 (Psorergatidae: Trombidiformes), with the key to the known species. – Intl. J. Acar., **5**: 311–324.
- Lukoschus F. S., J. M. W. Louppen, T. C. Maa. 1974. *Psorergates squamipes*, n. sp. (Acari: Psorergatidae), a skin mite from *Anourosorex squamipes* (Insectivora) in Taiwan. – Pacific Insects, **16**: 51–56.
- Lukoschus F. S., P. G. Rosmalen, A. Fain. 1973. Parasitic mites of Surinam, XI. Four new species of the genus *Psorergatoides* Fain, 1959 (Psorergatidae: Trombidiformes). – Tijdschr. Ent., **116**: 63–81.
- Meleney W. P., N. M. Albuquerque. 1958. A case of experimentally induced Psoroptic Acariasis fatal to a rabbit. – Unpublished data.
- Michael A. D. 1889. On some unrecorded parasitic Acari found in Great Britain. – J. Linn. Soc. (Zool.) London, **20**: 400–406.
- Murray M. D. 1961. The life cycle of *Psorergates ovis* Womersley, the itch mite of sheep. – Austral. J. Agric. Res., **12**: 965–973.
- Neuman M. G. 1893a. Note preliminaire sur le *Psorergates simplex*, acarien parasite de la souris. – Compt. rend. Soc. Biol., 330.
- Neuman M. G. 1893b. Sur un acarien (*Psorergates simplex* Tyrrell) de la souris. – Bull. Soc. Hist. Natur. Toulouse., **27**: 13–22.
- Oberem P.T., F.S. Malan. 1983. First record of the mite, *Psorergates bos*, (Acari: Sarcoptiformes) on cattle in South Africa. – Proc. Congr. Ent. Soc. Sth. Afr., **4**: 63.
- Oudemans A.C. 1906. Révision des Chélétinés. – Mém. Soc. Zool. de France, **19**: 36–144.
- Piana G. P. 1886. Cisti cutanee contenenti acari nei topi. Annuario p. anno scolastico 1885–86. – R. Scuola Sup. di Med. Vet. Milano: 122.
- Pomroy W. E. 1985. Mites. Itch mite (*Psoregates ovis*), sheep scab (*Psoroptes ovis*). In: Charleston, W.A. G., ed. Ectoparasites of sheep in New Zealand their control. – Palmerston North, The Sheep and Beef Cattle Society of the New Zealand Veterinary Association. Pp. 18–22.
- Raulston G.L. 1972. Psorergatic mites in Patas monkeys. – Lab. Anim. Sci., **22**: 107–108.

- Rioux J. A., Y. J. Golvan. 1961. Gale a *Psorergates musculus* (Michael, 1889) (Acari: Myobiidae) chez les mulots *Apodemus sylvaticus* (Linné 1758) de massif de caroux (Herault). – Ann. Parasitol. Hum. pom., **36**: 785–787.
- Roberts I. H., W. P. Meleney. 1965. Psorergatic Acariasis in Cattle. – J. Amer. Vet. Med. Assoc., **146**(1): 17–23.
- Scott M. T. 1949. The failure of benzene hexachloride to control itch mite (*Psorergates ovis*). – Austral. Vet. J., **25**: 300–301.
- Seier J.V. 1985. Psorergatic acariasis in vervet monkeys. – Laboratory Animals, **19**: 236–239.
- Sheldon W. S. 1966. Psorergatic mange in the sooty mangabey (*Cercocebus torquatus atys*) monkey. – Lab. Animal. Care, **16**: 276–279.
- Sinclair A.N., A.J.F. Giron. 1970. Distribution of the itch mite (*Psorergates ovis*) on some merino sheep. – Australian Vet. Journal, **46**.
- Sinclair A. 1990. The epidermal location and possible feeding site of *Psorergates ovis*, the sheep itch mite. – Aust. Vet. J., **67**(2): 59–62.
- Skerman K.D., N.P.H. Graham, A.N. Sinclair, M.D. Murray (statement). 1960. *Psorergates ovis* – the itch mite of sheep. – Australian Veterinary Journal, July: 317
- Sosnina E. F. 1970. On mites of the genus *Psorergates* (Trombidiformes: Psorergatidae) – parasites of Muridae and Cricetidae in the USSR. – Parazitologiya, **4**(6): 537–541 (in Russian, summ. Engl.).
- Spicka E. J. 1976. First report of *Psorergates simplex* Tyrrell, 1883 (Acari: Psorergatidae) from wild house mouse, *Mus musculus*, in the United States. – Proc. Indiana Acad. Science 1975, **85**: 418–422.
- Till W. M. 1957. Two new parasitic mites (Acarina) from the South African porcupine. – Parasitology, **47**(3–4): 329–334.
- Till W. M. 1960. *Psorergates oettlei* n. sp., a new mange-causing mites from the multimammate rat (Acarina, Psorergatidae). – Acarologia, **2**(1): 75–70.
- Toop C. R. 1948. The sheep itch mite (*Psorergates ovis*). – J. Dept. Agric. W. Aust., **25**(4): 343–347.
- Turk F.A. 1953. I. – A synonymic catalogue of British Acari: Part I. – Ann. Mag. Nat. Hist., 12th Ser., **61**: 1–26.
- Tyrrell J.B. 1883. On the occurrence in Canada of two species of parasitic mites. – Proc. Canad. Inst. Toronto N.S., **1**: 342–343.
- Wassel M.E., J.O. Whitaker, E.J. Spicka. 1980. The ectoparasites and other associates of the Cotton-tail Rabbit, *Sylvilagus floridanus*, in Indiana. – Proc. Indiana Acad. Sci., Zoology, **89**: 418–420.
- Whitten L.K. 1962. Parasitic mites of domestic animals in New Zealand. – New Zealand Entomologist, **3**(1): 9–12.
- Whitten L. K., D. C. Elliott. 1956. A note on the occurrence of the itch mite, *Psorergates ovis* Womersley, 1941, on New Zealand sheep. – New Zealand Vet. J., **4**: 19.
- Womersley H. 1941. Notes on the Cheyletidae (Acarina, Trombidoidea) of Australia and New Zealand with descriptions of new species. – Rec. of the S. Austral. Mus., **7**: 51–64.
- Zumpt F., W. M. Till. 1955. The mange-causing mites of the genus *Psorergates* (Acarina: Myobiidae) with description of a new species from a South African monkey. – Parasitology, **45**: 269–274.

The Mite Family Demodecidae Nicolet

Demodecidae Nicolet, 1855: 383

The history of the study of Demodecidae starts with Owen (1843), who described the genus *Demodex*. Hirst (1919) published a comprehensive review of *Demodex* – the only known genus and mentioned that already there are more than 230 publications on the group, mostly on veterinary cases (*D. canis*, etc.). Nutting (1964) added information about 650 more titles, and since there have been hundreds of publications – the literature on Demodecidae is well over 1000 titles. Most of them are of little taxonomical or host – related interest and represent case reports. After Hirst (1918a, 1918b, 1919, 1921, 1923) particularly important were the contributions of Fain (1959, 1960) who described the new genera *Rhinodex* and *Stomatodex* and 4 of the valid species in the family. Banks (1915) and Dubinin (1958) raised the superfamily Demodicoidea, but this arrangement was not followed. Among the acarologists having contributed to the taxonomy of Demodecidae should be noted C.E. Desch (since 1969), W.B. Nutting (since 1950), V. Bukva (since 1982, described the genera *Apodemodex* and *Soricidex*), Lukoschus and co-authors (described the genera *Ophthalmodex* and *Pterodex*) and Izdebska and co-authors (since 2000), described the genus *Glossicodex* and many new species.

According to Bochkov, 2009b, this family includes 100 sp., including 86 valid sp. of *Demodex*. Izdebska & Rolbiecki (2020) presented a checklist containing 122 valid species of Demodecidae. We have listed here 122 species of Demodecidae, six species are not described according to ICZN and two are nomina nuda. They live in the skin glands of mammals (32 families and 14 orders, fide Bochkov, 2009b). The representatives of *Ophthalmodex* live in the epithelium of the eyelids, cornea, and lacrimal canals of bats (Hipposideridae, Vespertilionidae, Molossidae, Phyllostomatidae) and rodents (Muridae). The *Stomatodex* prefer the oral cavity and esophagus of bats, rodents and primates. The *Rhinodex* have been found in the nose cavity of Galagidae (Primates). The small genera *Soricidex*, *Apodemodex* and *Pterodex* inhabit the skin follicles or the epithelium of Soricidae, Muridae and Pteropodidae (fruit bats). Most of the demodecids are monoxenous parasites. Some are important for the animal health, causing demodectic mange, and even to humans (*Demodex folliculorum*, *D. brevis*).

Here efforts were made to include in the bibliography most papers containing taxonomic and faunistic information and some of the medical papers (others could be seen in the bibliography of Izdebska & Rolbiecki, 2020).

Composition of the family Demodecidae

Fam. **Demodecidae** Nicolet, 1855 – 8 genera, 122 species

Apodemodex Bukva, 1996 – 1 sp.

Demodex Owen, 1843 – 106 sp.

Glossicodex Izdebska et Rolbiecki, 2016 – 1 sp.

Ophthalmodex Lukoschus et Nutting, 1979 – 7 sp.

Pterodex Lukoschus, Woeltjes, Desch et Nutting, 1980 – 1 sp.

Rhinodex Fain, 1959 – 1 sp.

Soricidex Bukva, 1982 – 1 sp.

Stomatodex Fain, 1959 – 4 sp.

Catalogue of Demodecidae

Fam. **Demodecidae** Nicolet

Demodicidae Owen, 1843

Demodecidae Nicolet, 1855: 383

Demodicoidea Banks, 1915 (superfamily)

Demodicoidea Dubinin, 1954: 73; 1955: 141; 1957: 124 (superfamily)

Type genus: *Demodex* Owen, 1843

Genus ***Apodemodex*** Bukva

Apodemodex Bukva, 1996: 312

Type species: *Apodemodex cornutus* Bukva, 1996

Apodemodex cornutus Bukva

Apodemodex cornutus Bukva, 1996: 312; Izdebska & Rolbiecki, 2020: 10

Type locality: České Budějovice, South Bohemia

Distribution: Czech Rep.

Host: *Neomys anomalus* (Soricomorpha: Soricidae)

Genus ***Demodex*** Owen

Demodex Owen, 1843

Type species: *Acarus folliculorum* Simon, 1842

Demodex acutipes Bukva et Preisler

Demodex acutipes Bukva & Preisler, 1988: 69; Izdebska & Rolbiecki, 2020: 10

Type locality: Czech Rep.

Distribution: Czech Rep., Poland

Host: *Cervus elaphus* (Artiodactyla: Cervidae)

***Demodex aelleni* Fain**

Demodex aelleni Fain, 1960: 81; Izdebska & Rolbiecki, 2020: 10

Type locality: Geneva

Distribution: Switzerland

Host: *Myotis daubentoni* (Chiroptera: Vespertilionidae)

***Demodex agrarii* Bukva**

Demodex agrarii Bukva, 1994: 306; Izdebska & Cydzik, 2010: 59; Izdebska & Rolbiecki, 2020: 10

Type locality: Kokšov-Bakša, Eastern Slovakia

Distribution: Poland, Slovakia

Host: *Apodemus agrarius* (Rodentia: Muridae)

***Demodex ailuropodae* Xu, Xie, Liu, Zhou et Shi**

Demodex ailuropodae Xu, Xie, Liu, Zhou & Shi, 1986: 163; Izdebska & Rolbiecki, 2020: 10

Type locality: Shanghai Zool. Garden

Distribution: China

Host: *Ailuropoda melanoleuca* (Carnivora: Ailuropodidae)

***Demodex antechini* Nutting et Sweatman**

Demodex antechini Nutting & Sweatman, 1970: 425; Domrow, 1991: 1339; Desch & Holz, 2006: 81; Izdebska & Rolbiecki, 2020: 10

Type locality: Canberra

Distribution: Australia

Hosts: *Antechinus agilis*, *A. stuartii* (Dasyuromorphia: Dasyuridae, Dasyuridae)

***Demodex apodemi* Hirst**

Demodex apodemi Hirst, 1918: 145; 1919: 35; Izdebska, 2012: 1101; Izdebska & Rolbiecki, 2020: 10

Demodex arvicolae var. *apodemi* Hirst: Dubinin, 1953: 276

Demodex arvicolae apodemi Hirst: Izdebska & Cydzik, 2010: 59

Type locality: England

Distribution: England, Poland, Russia

Hosts: *Apodemus agrarius*, *Sylvaemus sylvaticus* (Rodentia: Muridae). “Specimens on *Apodemus agrarius* probably belong to the separate species” (Izdebska et al., 2020).

[*Demodex araneae* Nutting

Demodex araneae Nutting, 1950: Thesis; Izdebska & Rolbiecki, 2020: 10

Type locality: laboratory

Distribution: South America

Host: *Ateles* sp. (Primates: Atelidae). Note by Izdebska et al., 2020: “Nom. nud.; description not published within the meaning of the ICZN”].

***Demodex aries* Desch**

Demodex aries Desch, 1986: 367; Bukva, 1990: 82; Domrow, 1991: 1343 (synonymised the species with *Demodex ovis* Railliet, 1893); Izdebska & Rolbiecki, 2020: 11

Type locality: Wellington City (New Zealand)

Distribution: Czech Rep., New Zealand

Host: *Ovis aries* (Artiodactyla: Bovidae)

***Demodex artibeii* Vargas, Bassols, Desch, Quintero et Polaco**

Demodex artibeii Vargas, Bassols, Desch, Quintero & Polaco, 1995: 75; Izdebska & Rolbiecki, 2020: 11

Type locality: Mexico

Distribution: Mexico

Host: *Artibeus aztecus* (Chiroptera: Phyllostomatidae)

***Demodex arvicolae* Zschokke**

Demodex arvicolae Zschokke, 1888: 69; Dubinin, 1953: 276; Izdebska & Rolbiecki, 2020: 11

Type locality: Europe

Distribution: England, Poland, Russia

Hosts: *Microtus arvalis* (?), *M. agrestis*, *Mus musculus* ?(Rodentia: Arvicolidae)

***Demodex aurati* Nutting**

Demodex aurati Nutting, 1961: 515; Sarashina & Sato, 1986: 619; Izdebska & Rolbiecki, 2020: 11

Type locality: laboratory Golden Hamsters

Distribution: from laboratory animals

Host: *Mesocricetus auratus* (Rodentia: Cricetidae)

***Demodex auricularis* Izdebska, Rolbiecki et Fryderyk**

Demodex auricularis Izdebska, Rolbiecki & Fryderyk, 2014: 215; Izdebska & Rolbiecki, 2020: 11

Type locality: Poland

Distribution: Poland

Host: *Sylvaemus sylvaticus* (Rodentia: Muridae)

***Demodex bandicotae* Izdebska, Rolbiecki, Morand et Ribas**

Demodex bandicotae Izdebska, Rolbiecki, Morand & Ribas, 2017; Izdebska & Rolbiecki, 2020: 11

Type locality: Laos

Distribution: Laos

Host: *Bandicota indica* (Rodentia: Muridae)

Demodex bantengi Firda, Nutting et Sweatman

Demodex bantengi Firda, Nutting & Sweatman, 1987: 227; Izdebska & Rolbiecki, 2020: 11

Type locality: Indonesia (Bali)

Distribution: Indonesia

Host: *Bos javanicus* (Artiodactyla: Bovidae)

Demodex bicaudatus Kniest et Lukoschus

Demodex bicaudatus Kniest & Lukoschus, 1981: 111; Domrow, 1991: 1339; Izdebska & Rolbiecki, 2020: 11

Type locality: Mitchell Plateau

Distribution: Australia

Host: *Macroglossus minimus [lagochilus]* (Chiroptera: Pteropodidae)

Demodex bisonianus Kadulski et Izdebska

Demodex bisonianus Kadulski & Izdebska, 1996: 103; Izdebska, 2006: 171; Izdebska & Rolbiecki, 2020: 11

Type locality: Prevalence

Distribution: Poland

Host: *Bison bonasus* (Artiodactyla: Bovidae, Bovinae)

[*Demodex bonapartei* Nutting

Demodex bonapartei Nutting, 1950: Thesis; Izdebska & Rolbiecki, 2020: 11.

Type locality: ?

Distribution: North America (North and East of the Great Lakes)

Host: *Mustela erminea cicognanii* (Carnivora: Mustelidae). Note by Izdebska & Rolbiecki, 2020: “Nom. nud.; description not published within the meaning of the ICZN”].

Demodex bovis Stiles

Demodex folliculorum: Faxon, 1878: 11

Demodex folliculorum var. *bovis* Stiles, 1892: 289; Railliet, 1893: 638; Cleland, 1913: 591

Demodex bovis Stiles: Canestrini & Kramer, 1899: 3; Hirst, 1919: 28; 1921: 371; Freire & Dias, 1947: 247; Desch & Nutting, 1971; 1973: 500; Esuruoso, 1977: 65; Tashiro et al., 1979: 30; Noorudin & Rahman, 1985; Matthes & Bukva, 1993; Candona, Vargas & Perdomo, 2013; Izdebska & Rolbiecki, 2020: 12.

Type locality: ?

Distribution: cosmopolitic

Hosts: *Bos taurus*, *Bos taurus indicus*, accid. *Bison bonasus* in farm (Artiodactyla: Bovidae, Bovinae)

Demodex brevis Akbulatova*Acarus folliculorum* Simon, 1842: 231 (partim, fig. 3, 4)*Demodex folliculorum brevis* Akbulatova, 1963: 40*Demodex brevis* Akbulatova: Desch & Nutting, 1972: 171; László & Zoltán, 1973: 55; Nutting & Green, 1974: 10; 1976: 307; Hallas, 1978: 30; English & Nutting, 1981: 362; Andrews, 1988: 97; Tenquist & Charleston, 2001: 495; Özdemir, 2003; Zeytun & Karakurt, 2019: 2; Izdebska & Rolbiecki, 2020: 12

Type locality: Russia

Distribution: cosmopolitan

Host: *Homo sapiens* (Primates: Hominidae)***Demodex buccalis*** Bukva, Vítovec et Vlček*Demodex buccalis* Bukva, Vítovec & Vlček, 1985: 158; Izdebska & Rolbiecki, 2020: 12

Type locality: South Bohemia

Distribution: Czech Rep., Poland

Host: *Myodes [Clethrionomys] glareolus* (Rodentia: Arvicolidae)***Demodex caballi*** (Railliet)*Demodex folliculorum* var. *equi* Railliet, 1895*Demodex equi* Railliet, 1895: Gmeiner, 1908*Demodex caballi* (Railliet): Izdebska & Rolbiecki, 2020: 12

Type locality: Europe

Distribution: USA, New Zealand (cosmopolitan?)

Host: *Equus caballus* (Perissodactyla: Equidae)***Demodex cafferi*** Nutting et Guilfooy*Demodex cafferi* Nutting & Guilfooy, 1979: 9; Dräger & Paine, 1980: 521; Izdebska & Rolbiecki, 2020: 12

Type locality: South Africa

Distribution: South Africa

Host: *Syncerus caffer* (Artiodactyla: Bovidae, Bovinae)***Demodex canis*** Leydig*Demodex canis* Leydig, 1859: 345; Canestrini & Kramer, 1899: 2; Hirst, 1919: 3; Cooreman, 1946: 2; Starkoff & Starkoff, 1950: 92; Roberts, 1952: 189; Desch & Nutting, 1973: 501; Nutting, 1976: 214; Nutting & Desch, 1978: 140; Desch & Hillier, 2003: 148; Domrow, 1991: 1340; Izdebska & Rolbiecki, 2020: 12, many other authors*Demodex folliculorum* var. *canis*: Railliet, 1893: 635*Demodex folliculorum* var. *caninus* Mégnin, 1877: 111*Demodex caninus*: Canestrini, 1899: 23; Hirst, 1917: 232

Type locality: Europe

Distribution: cosmopolitan

Host: *Canis lupus familiaris* (Carnivora: Canidae)

***Demodex caprae* Railliet**

Demodex folliculorum var. *caprae*: Railliet, 1893; 1895: 638; Tenquist & Charleston, 2001: 495

Demodex caprae: Canestrini & Kramer, 1899: 3; Hirst, 1919: 38; Cooreman, 1946: 2; Dubinin, 1957: 132; Desch & Nutting, 1973: 501; Lebel & Nutting, 1973b: 517; Nutting, 1976: 214; Lebel & Desch, 1979; Tsedev & Grebenyuk, 1975: 127; Domrow, 1991: 1341; Izdebska & Rolbiecki, 2020: 12

Type locality: Europe

Distribution: range of host

Host: *Capra hircus* (Artiodactyla: Bovidae, Caprinae)

***Demodex carolliae* Desch, Lebel, Nutting et Lukoschus**

Demodex carolliae Desch, Lebel, Nutting & Lukoschus, 1971: 303; Izdebska & Rolbiecki, 2020: 13

Type locality: Lelydorp (Suriname)

Distribution: Suriname

Host: *Carollia perspicillata* (Chiroptera: Phyllostomatidae)

***Demodex castoris* Izdebska, Fryderyk et Rolbiecki**

Demodex castoris Izdebska, Fryderyk & Rolbiecki, 2016: 1; Izdebska & Rolbiecki, 2020: 13

Type locality: Poland

Distribution: Poland

Host: *Castor fiber* (Rodentia: Castoridae)

***Demodex cati* Mégnin**

Demodex folliculorum var. *cati* Mégnin, 1877: 112; Railliet, 1893: 637

Demodex cati: Canestrini & Kramer, 1899: 3; Hirst, 1919: 26; Dubinin, 1957: 132; Nutting, 1976: 214; Desch & Nutting, 1979b: 281; Domrow, 1991: 1341; Yathiraj et al., 1994: 393; Löwenstein, Beck, Bessmann & Mueller, 2005: 290; Izdebska & Rolbiecki, 2020: 13

Type locality: Europe

Distribution: range of hosts

Host: *Felis catus* (Carnivora: Felidae)

***Demodex caviae* Bacigalupo et Roveda**

Demodex caviae Bacigalupo & Roveda, 1954: 149; Izdebska & Rolbiecki, 2020: 13

Type locality: laboratory animal

Distribution: Argentina

Host: *Cavia porcellus* (Rodentia: Caviidae)

Demodex cervi Prietsch

Demodex cervi Prietsch, 1886; Vanselow, 1910; Kutzer & Grunberg, 1972: 9; Izdebska & Rolbiecki, 2020: 13

Type locality: Austria

Distribution: Austria

Host: *Cervus elaphus* (Artiodactyla: Cervidae)

Demodex chiropteralis Hirst

Demodex chiropteralis Hirst, 1921: 367; Fain, 1960: 81; Baker & Craven, 2003: 11; Izdebska & Rolbiecki, 2020: 13

Type locality: England

Distribution: England, Poland

Host: *Plecotus auritus* (Chiroptera: Vespertilionidae)

Demodex conicus Izdebska et Rolbiecki

Demodex conicus Izdebska & Rolbiecki, 1915: 168

Type locality: Poland

Distribution: Poland

Host: *Mus musculus* (Rodentia: Muridae)

Demodex cornei Izdebska et Rolbiecki

Demodex cornei Izdebska & Rolbiecki, 2018: 346 (Mason, 1993: 92 - nomen nudum)

Type locality: Poland

Distribution: Poland, India, probably cosmopolitic

Host: *Canis lupus familiaris* (Carnivora: Canidae)

Demodex criceti Nutting et Rauch

Demodex criceti Nutting & Rauch, 1958: 328; Nutting, 1961: 515; Sarashina & Sato, 1986: 619; Izdebska & Rolbiecki, 2020: 13

Type locality: laboratory Golden Hamsters, Amherst, Mass.

Distribution: ? [USA]

Host: *Mesocricetus auratus* (Rodentia: Cricetidae)

Demodex cricetuli Hurley et Desch

Demodex cricetuli Hurley & Desch, 1994: 529; Izdebska & Rolbiecki, 2020: 13

Type locality: Massachusetts

Distribution: USA (Massachusetts)

Host: *Cricetulus migratorius* (Rodentia: Cricetidae)

Demodex cuniculi Pfeiffer

Demodex cuniculi Pfeiffer, 1903; Izdebska & Rolbiecki, 2020: 14

Type locality: Europe

Distribution: cosmopolite

Host: *Oryctolagus cuniculus* (Lagomorpha: Leporidae)

Demodex cyonis Morita, Ohmi, Kiwaki, Ike et Nagata

Demodex cyonis Morita, Ohmi, Kiwaki, Ike & Nagata, 2018: 323; Izdebska & Rolbiecki, 2020: 14

Type locality: Japan

Distribution: Japan

Host: *Canis lupus familiaris* (Carnivora: Canidae)

Demodex dasypodi Desch

Demodex dasypodi Desch & Stewart, 2002: 169; Izdebska & Rolbiecki, 2020: 14

Type locality: Louisiana

Distribution: USA

Host: *Dasyus novemcinctus* (Cingulata: Dasypodidae)

Demodex desmodi Desch

Demodex desmodi Desch, 1994: 39; Izdebska & Rolbiecki, 2020: 14

Type locality: Suriname

Distribution: Suriname

Host: *Desmodus rotundus* (Chiroptera: Phyllostomatidae, Desmodontinae)

Demodex equi Railliet

Demodex folliculorum var. *equi* Railliet, 1893: 639; Bennison, 1943: 36

Demodex equi: Canestrini & Kramer, 1899: 3; Hirst, 1919; Dubinin, 1957: 132; Kolev, 1958: 299; Domrow, 1991: 1341; Izdebska & Rolbiecki, 2020: 14

Demodex sp. – Nutting, 1976: 214

Demodex caballi Railliet, 1895; Desch & Nutting, 1979: 235; Tenquist & Charleston, 2001: 495. Syn. by Domrow, 1991: 1341

Type locality: Europe

Distribution: cosmopolitic

Host: *Equus caballus* (Perissodactyla: Equidae)

Demodex erinacei Hirst

Demodex folliculorum var. *erinacei* Hirst, 1919: 25; Izdebska & Rolbiecki, 2020: 14

Type locality: England

Distribution: England

Host: *Erinaceus europaeus* (Erinaceomorpha: Erinaceidae)

Demodex ermineae Hirst

Demodex ermineae Hirst, 1919: 32

Type locality: Exeter (England)

Distribution: range of host

Host: *Mustela erminea* (Carnivora: Mustelidae)

[***Demodex felis*** Silbermayr et al., 2015 – Nomen nudum

Host: *Felis catus* (Carnivora: Felidae)]

Demodex flagellurus Bukva

Demodex flagellurus Bukva, 1985: 73; Izdebska, 2000; Izdebska & Rolbiecki, 2006: 175; 2020: 14

Type locality: České Budějovice, South Bohemia

Distribution: Czech Rep., Poland

Host: *Mus musculus* (Rodentia: Muridae)

Demodex folliculorum (Simon)

Acarus folliculorum Simon, 1842: 231 (partim, figs. 1, 2, 8)

Demodex folliculorum (Simon): Haller, 1882: 296 (ex *Canis familiaris*!); Canestrini & Kramer, 1899: 2; Poppe, 1909: 66; Starkoff & Starkoff, 1950: 92; Lamb, 1952: 372; Desch & Nutting, 1972: 169; 1978: 422; Xie, Liu, Hsu & Hseu, 1982: 268; Candotti et al., 1996; Domrow, 1991: 1342; Zeytun & Karakurt, 2019: 2; Izdebska & Rolbiecki, 2020: 14 (also many other authors)

Demodex folliculorum longus Akbulatova, 1963: 40

Demodex hominis Leydig, 1859: 345

Type locality: Europe

Distribution: cosmopolitan

Host: *Homo sapiens* (Primates: Hominidae)

Demodex folliculorum sinensis Xie, Liu, Hsu et Hsu

Demodex folliculorum sinensis Xie, Liu, Hsu & Hsu, 1982: 267; Izdebska & Rolbiecki, 2020: 14

Type locality: Shanghai

Distribution: China

Host: *Homo sapiens* (Primates: Hominidae)

Demodex foveolator Bukva

Demodex foveolator Bukva, 1984: 45; Izdebska & Rolbiecki, 2020: 15

Type locality: České Budějovice, South Bohemia

Distribution: Czech Rep.

Host: *Crocidura suaveolens* (Soricomorpha: Soricidae)

Demodex fusiformis Izdebska et Rolbiecki

Demodex fusiformis Izdebska & Rolbiecki, 2015: 608; Izdebska & Rolbiecki, 2020: 15

Type locality: Poland

Distribution: Poland

Host: *Mus musculus* (Rodentia: Muridae)

Demodex gapperi Nutting, Emejuiwe et Tisdell

Demodex gapperi Nutting, Emejuiwe & Tisdell, 1971: 660; Nutting, Beekman & Snyder, 1978: 646; Izdebska & Rolbiecki, 2020: 15

Type locality: New York State, Massachusetts

Distribution: USA

Host: *Myodes* [*Clethrionomys*] *gapperi* (Rodentia: Arvicolidae)

Demodex gatoi Desch et Stewart

Demodex gatoi Desch & Stewart, 1999: 167

Type locality: Baton Rouge (USA)

Distribution: USA (Louisiana), Austria, Finland, Poland, Spain

Host: *Felis catus* [*silvestris*] (Carnivora: Felidae)

Demodex ghanensis Oppong, Lee et Yasin

Demodex ghanensis Oppong, Lee & Yasin, 1975: 39; Abu-Samra & Shuaib, 2014: 77; Izdebska & Rolbiecki, 2020: 15

Type locality: Ghana

Distribution: Ghana, Sudan

Host: *Bos taurus* (Artiodactyla: Bovidae)

Demodex glareoli Hirst

Demodex arvicolae var. *glareoli* Hirst, 1919: 35

Demodex glareoli Hirst: Izdebska, Kozina & Gólczyk, 2013: 129; Izdebska & Rolbiecki, 2020: 15

Type locality: England

Distribution: England

Host: *Myodes* [*Clethrionomys*] *glareolus britannicus* (Rodentia: Arvicolidae)

Demodex gliricolens Hirst

Demodex gliricolens Hirst, 1921: 368; Izdebska & Rolbiecki, 2020: 15

Type locality: England (?)

Distribution: England (?)

Host: *Arvicola terrestris* (Rodentia: Arvicolidae)

Demodex gracilentus Izdebska et Rolbiecki

Demodex gracilentus Izdebska & Rolbiecki, 2013: 1203; 2020: 15

Type locality: Poland

Distribution: Poland

Host: *Apodemus agrarius* (Rodentia: Muridae)

Demodex huttereri Mertens, Lukoschus et Nutting

Demodex huttereri Mertens, Lukoschus & Nutting, 1983: 489; Izdebska & Rolbiecki, 2020: 15

Type locality: laboratory animal captured near Fulda, Germany

Distribution: Germany, Poland

Host: *Apodemus agrarius* (Mammalia: Muridae)

Demodex injai Desch et Hillier

Demodex injai Desch & Hillier, 2003: 146; Izdebska & Rolbiecki, 2020: 15

Type locality: Columbus, Ohio

Distribution: USA (Ohio)

Host: *Canis lupus familiaris* (Carnivora: Canidae)

Demodex intermedius Lukoschus, Mertens, Nutting et Nadchatram

Demodex intermedius Lukoschus, Mertens, Nutting & Nadchatram, 1984: 234; Izdebska & Rolbiecki, 2020: 16

Type locality: Bukit Fraser

Distribution: Malaysia

Host: *Tupaia glis* (Scandentia: Tupaiidae)

Demodex kutzeri Bukva

Demodex kutzeri Bukva, 1987: 175; Kadulski, 1996a: 204; 1996b: 353; Desch et al., 2010: 585; Izdebska & Rolbiecki, 2020: 16

Demodex cervi sensu Kutzer & Grünberg, 1972, part.; nec *D. cervi* Vanselow, 1910

Type locality: Wattens/Tirol

Distribution: Austria, USA

Hosts: *Alces alces*, *Capreolus capreolus*, *Cervus elaphus*, *C. elaphus nelsoni*, *C. nippon pseudaxis*, *Dama dama*, *Odocoileus h. hemionus*, *O. virginianus* (Artiodactyla: Cervidae)

Demodex lacrimalis Lukoschus et Jongman

Demodex lacrimalis Lukoschus & Jongman, 1974: 274; Izdebska & Rolbiecki, 2020: 16

Type locality: Nijmegen

Distribution: Holland, Italy, Poland

Host: *Sylvaemus sylvaticus* (Rodentia: Muridae, Murinae)

Demodex leucogasteri Hughes et Nutting

Demodex leucogasteri Hughes & Nutting, 1981: 182; Izdebska & Rolbiecki, 2020: 16

Type locality: Washington State, Tennessee

Distribution: USA (Washington State, Tennessee)

Host: *Onychomys leucogaster* (Rodentia: Arvicolidae, Neotominae)

Demodex longior Hirst

Demodex longior Hirst, 1918: 145; 1919: 25; Izdebska & Rolbiecki, 2020: 16

Type locality: England

Distribution: England

Host: *Sylvaemus sylvaticus* (Rodentia: Muridae)

Demodex longissimus Desch, Nutting et Lukoschus

Demodex longissimus Desch, Nutting & Lukoschus, 1972: 35; Izdebska & Rolbiecki, 2020: 16

Type locality: Brokopondo, Brownsweg, Lelydorp, Onverwacht, Zandery

Distribution: Suriname

Host: *Carollia perspicillata* (Chiroptera: Phyllostomatidae)

Demodex lutrae Izdebska et Rolbiecki

Demodex lutrae Izdebska & Rolbiecki, 2014: 784; Izdebska & Rolbiecki, 2020: 17

Type locality: Poland

Distribution: Poland

Host: *Lutra lutra* (Carnivora: Mustelidae)

Demodex macaci Karjala, Desch et Starost

Demodex macaci Karjala, Desch & Starost, 2005: 948; Izdebska & Rolbiecki, 2020: 17

Type locality: Laboratory colony

Distribution: laboratory colony

Host: *Macaca mulatta* (Primates: Cercopithecidae)

Demodex macroglossi Desch

Demodex macroglossi Desch, 1981: 41; Domrow, 1991: 1342; Izdebska & Rolbiecki, 2020: 17

Type locality: Western Australia

Distribution: Australia (W.A.)

Host: *Macroglossus minimus* (Chiroptera: Pteropodidae)

Demodex marculus Izdebska et Rolbiecki

Demodex marculus Izdebska & Rolbiecki, 2015: 607, 2020: 17

Type locality: Poland

Distribution: Poland

Host: *Mus musculus* (Rodentia: Muridae)

Demodex marsupiali Nutting, Lukoschus et Desch

Demodex marsupiali Nutting, Lukoschus & Desch, 1980: 84; Izdebska & Rolbiecki, 2020: 17

Type locality: Lelydorp, Paramaribo, Coronie

Distribution: Suriname

Host: *Didelphis marsupialis* (Didelphimorphia: Didelphidae)

Demodex melanopteri Lukoschus, Jongman et Nutting

Demodex melanopteri Lukoschus, Jongman & Nutting, 1972: 54; Izdebska & Rolbiecki, 2020: 17

Type locality: Meerzorg, Lelydorp

Distribution: Suriname

Host: *Eptesicus brasiliensis melanopterus* (Chiroptera: Vespertilionidae)

Demodex melesinus Hirst

Demodex melesinus Hirst, 1921: 372; Izdebska & Rolbiecki, 2020: 17

Type locality: England

Distribution: England

Host: *Meles meles* (Carnivora: Mustelidae)

[*Demodex merioni* (= *meriones*) – Nomen nudum]

Host: *Meriones* spp. (Rodentia: Muridae)]

Demodex mexicanus Vargas, Bassols, Desch, Quintero et Polaco

Demodex mexicanus Vargas, Bassols, Desch, Quintero & Polaco, 1995: 76; Izdebska & Rolbiecki, 2020: 17

Type locality: Mexico

Distribution: Mexico

Host: *Plecotus* [*Corynorhinus*] *mexicanus* (Chiroptera: Vespertilionidae)

Demodex microti Izdebska et Rolbiecki

Demodex microti Izdebska & Rolbiecki, 2013: 189; Izdebska & Rolbiecki, 2020: 17

Type locality: Poland

Distribution: Poland

Host: *Microtus arvalis* (Rodentia: Arvicolidae)

Demodex mollis Izdebska, Rolbiecki, Fryderyk et Mierzyński

Demodex mollis Izdebska, Rolbiecki, Fryderyk & Mierzyński, 2017; Izdebska & Rolbiecki, 2020: 18

Type locality: Poland

Distribution: Poland

Host: *Sylvaemus flavicollis* (Rodentia: Muridae)

Demodex molossi Desch, Nutting et Lukoschus

Demodex molossi Desch, Nutting & Lukoschus, 1972 : 43; Izdebska & Rolbiecki, 2020: 18

Type locality: Lelydorp, Paramaribo

Distribution: Suriname

Host: *Molossus molossus* (Chiroptera: Molossidae)

***Demodex muscardini* Hirst**

Demodex muscardini Hirst, 1917: 433; 1919: 30; Bregetova et al., 1955; Izdebska & Rolbiecki, 2020: 18

Type locality: England

Distribution: Armenia, Great Britain

Host: *Muscardinus avellanarius* (Rodentia: Gliridae)

***Demodex musculi* Oudemans**

Demodex folliculorum var. *musculi* Oudemans, 1897: 269

Demodex musculi Oudemans, 1905: 12; 1909: 318; Hirst, 1917: 233; Hill et al., 1999: 13; Izdebska & Rolbiecki, 2020: 18

Demodex arvicolae var. *musculi*: Hirst, 1919: 34; Dubinin, 1953: 276

Demodex arvicolae musculi Oudemans: Izdebska & Rolbiecki, 2006: 175

Type locality: Europe

Distribution: England, Poland, Russia, Spain

Host: *Mus musculus* (Rodentia: Muridae)

[*Demodex myotidis* Di Benedetto]

Demodex myotidis Di Benedetto, 1961 (MA Thesis); Izdebska & Rolbiecki, 2020: 18

Type species: USA

Distribution: USA

Hosts: *Eptesicus fuscus*, *Myotis l. lucifugus*, *M. septentrionalis* (Chiroptera: Vespertilionidae). Note by Izdebska & Rolbiecki, 2020: “Nom. nud.; description not published within the meaning of the ICZN”].

***Demodex mystacina* Desch**

Demodex mystacina Desch, 1989: 221; Izdebska & Rolbiecki, 2020: 18

Type locality: Omahuta Kauri Sanctuary

Distribution: New Zealand

Host: *Mystacina tuberculata* (Chiroptera: Mystacinidae)

***Demodex nanus* Hirst**

Demodex nanus Hirst, 1918: 146; Desch, 1987: 19; 1989: 228; Bukva, 1993; Haitlinger & Jankowska, 2005: 38; Izdebska & Rolbiecki, 2020: 18

Type locality: unknown

Distribution: Great Britain, Poland, Russia

Hosts: *Rattus norvegicus*, *R. rattus* (Rodentia: Muridae, Murinae)

***Demodex neomydis* Bukva**

Demodex neomydis Bukva, 1995: 299; Izdebska & Rolbiecki, 2020: 18

Type locality: České Budějovice, South Bohemia

Distribution: Czech Rep.

Host: *Neomys anomalus* (Soricomorpha: Soricidae)

Demodex neopisthosomae Desch, Lukoschus et Nadchatram

Demodex neopisthosomae Desch, Lukoschus & Nadchatram, 1986: 14; Izdebska & Rolbiecki, 2020: 19

Type locality: Malaysia

Distribution: Malaysia

Host: *Eonycteris spelaea* (Chiroptera: Pteropodidae, Macroglossinae)

Demodex norvegicus Bukva

Demodex norvegicus Bukva, 1995: 152; Haitlinger & Jankowska, 2005: 38; Izdebska & Rolbiecki, 2020: 19

Type locality: České Budějovice, South Bohemia

Distribution: Czech Rep., Poland

Host: *Rattus norvegicus* (Rodentia: Muridae, Murinae)

Demodex novazelandica Desch

Demodex novazelandica Desch, 1989: 226; Izdebska & Rolbiecki, 2020: 19

Type locality: Omahuta Kauri Sanctuary

Distribution: New Zealand

Host: *Mystacina tuberculata* (Chiroptera: Mystacinidae)

Demodex nycticeii Desch

Demodex nycticeii Desch, 1996: 187; Izdebska & Rolbiecki, 2020: 19

Type locality: Florida

Distribution: USA (Florida)

Host: *Nycticeius humeralis* (Chiroptera: Vespertilionidae)

Demodex odocoilei Desch et Nutting

Demodex odocoilei Desch & Nutting, 1974: 785; Jasques et al., 2001: 221; Gentes, Proctor & Wobeser, 2007: 758; Turner & Cano, 2008: 572; Izdebska & Rolbiecki, 2020: 19

Type locality: Dougherty County (Georgia), Eucha (Oklahoma), Stafford County (Virginia)

Distribution: Canada, USA (Georgia, Oklahoma, Virginia, Texas)

Host: *Odocoileus hemionus columbianus*, *O. virginianus* (Artiodactyla: Cervidae)

Demodex ovis Railliet

Demodex folliculorum var. *ovis* Railliet, 1895: 638; Hirst, 1919: 24; Bukva, 1990: 82; Tenquist & Charleston, 2001: 497

Demodex ovis Railliet: Hallas, 1978: 30; Izdebska & Rolbiecki, 2020: 19

Type locality: Europe

Distribution: range of host (incl. Australia, New Zealand, Czech Rep., Israel, Poland)

Host: *Ovis aries* (Artiodactyla: Bovidae)

Demodex peromysci Lombert, Lukoschus et Whitaker

Demodex peromysci Lombert, Lukoschus & Whitaker, 1983: 377; Izdebska & Rolbiecki, 2020: 19

Type locality: Pennsylvania, Huntingdon Co.

Distribution: USA (Pennsylvania)

Host: *Peromyscus leucopus* (Rodentia: Cricetidae)

Demodex phocidi Desch, Dailey et Tuomi

Demodex phocidi Desch, Dailey & Tuomi, 2003: 231; Izdebska et al., 2020: 49; Izdebska & Rolbiecki, 2020: 19

Type locality: Alaska SeaLife Center, Seward

Distribution: USA (Alaska), Poland

Host: *Phoca vitulina* (Carnivora Pinnipedia: Phocidae)

Demodex phodopi Desch, Davis et Klompen

Demodex phodopi Desch, Davis & Klompen, 2006: 75; Izdebska & Rolbiecki, 2020: 19

Type locality: laboratory colony

Distribution: [USA](actually, Asia)

Host: *Phodopus sungorus* (Rodentia: Cricetidae)

Demodex phylloides Csokor

Demodex phylloides Csokor, 1879: 133; Canestrini, 1899: 968; Canestrini & Kramer, 1899: 3; Hirst, 1919: 27; Lamb, 1952: 372; Dubinin, 1957: 132; Desch & Nutting, 1973: 500; Rak, 1976: 509; Quintero, 1977: 42; Tenquist & Charleston, 2001: 497; Desch & Stewart, 2002: 173; Reeves et al., 2007: 47; Izdebska & Rolbiecki, 2020: 19

Demodex folliculorum var. *suis* Railliet, 1895: 637; Ligrain & Régulato, 1903: 371

Distribution: Algeria, Argentina, Australia, Brazil, Canada, France, Germany, Iran, Madagascar, Mexico, Poland, Russia, New Zealand, Spain, Sweden, USA

Host: *Sus scrofa* (Artiodactyla: Suidae)

Demodex phyllostomatis Leydig

Demodex phyllostomatis Leydig, 1859: 345; Hirst, 1919: 39; Fain, 1960: 80; Izdebska & Rolbiecki, 2020: 20

Type locality: Suriname

Distribution: Suriname

Host: *Phyllostoma hastatum* (Chiroptera: Phyllostomatidae)

Demodex plecoti Izdebska, Rolbiecki et Mienzynski

Demodex plecoti Izdebska, Rolbiecki & Mienzynski, 2019: 377.

Type locality: Poland

Distribution: Poland

Host: *Plecotus auritus* (Chiroptera: Vespertilionidae)

Demodex ponderosus Izdebska et Rolbiecki*Demodex ponderosus* Izdebska & Rolbiecki, 2014: 740

Type locality: Poland

Distribution: Poland

Host: *Rattus norvegicus* (Rodentia: Muridae)***Demodex pseudaxisi*** Shpringol'ts – Shmidt*Demodex pseudaxisi* Shpringol'ts – Shmidt, 1937: 133

Type locality: Far East of Russia

Distribution: Russia

Host: *Cervus nippon hortulorum* (Arthiodactyla: Cervidae)***Demodex rattii*** (Hahn) Hirst*Demodex rattii* Hirst, 1917: 233; 1919: 37; Dubinin, 1953: 276; Bukva, 1995: 149; Haitlinger & Jankowska, 2005: 38

Type locality: Europe; redescription from Vranín, South Bohemia

Distribution: Czech Rep., England, Poland, Russia

Host: *Rattus norvegicus* (Rodentia: Muridae)***Demodex ratticola*** Bukva*Demodex ratticola* Bukva, 1995: 156; Izdebska & Rolbiecki. 2012b: 71

Type locality: České Budějovice

Distribution: Czech Rep., Poland

Host: *Rattus norvegicus* (Rodentia: Muridae)***Demodex rosus*** Bukva, Vítovec et Vlček*Demodex rosus* Bukva, Vítovec & Vlček, 1985: 151

Type locality: Lišov, distr. of České Budějovice

Distribution: Czech Rep.

Host: *Sylvaemus flavicollis* (Rodentia: Muridae)***Demodex sabani*** Desch, Lukoschus et Nadchatram*Demodex sabani* Desch, Lukoschus & Nadchatram, 1984: 55

Type locality: Kuala Selangor Road, 35 km from Selangor, Malaysia

Distribution: Malaysia

Hosts: *Leopoldamys sabanus*, *L. edwardsi*, *Niviventer cremoriventer*, *N. rapit*, *Rattus anandalei*, *R. tiomanicus jalorensis*, *Sundamys mulleri* (Rodentia: Muridae)***Demodex saimiri*** Lebel et Nutting*Demodex saimiri* Lebel & Nutting, 1973: 719; Izdebska & Rolbiecki, 2020: 21

Type locality: Zoo

Distribution: South America

Host: *Saimiri sciureus* (Primates: Cebidae, Saimiriinae)

[***Demodex sciurei*** Lebel

Demodex sciurei Lebel, 1970: Master's Thesis

Type locality: Zoo

Distribution: South America

Host: *Saimiri sciureus* (Primates: Cebidae, Saimiriinae). Note by Izdebska et al., 2020: "Nom. nud.; description not published within the meaning of the ICZN"].

Demodex sciurinus Hirst

Demodex sciurinus Hirst, 1923: 994; Izdebska & Rolbiecki, 2020: 3

Type locality: Inverness (Great Britain)

Distribution: Great Britain, Poland

Host: *Sciurus vulgaris* (Rodentia: Sciuridae, Sciurinae)

Demodex sinocricetuli Desch et Hurley

Demodex sinocricetuli Desch & Hurley, 1997: 317; Izdebska & Rolbiecki, 2020: 21

Type locality: [Maryland, Beltsville]

Distribution: [USA (Maryland), laboratory animals]

Host: *Cricetulus barabensis* (Rodentia: Cricetidae)

Demodex soricinus Hirst

Demodex soricinus Hirst, 1918: 145; 1919: 37; 1921: 368; Dubinin, 1953: 276; Fain, 1960: 81; van Eyndhoven, 1965: 103; Bukva, 1993: 243; Izdebska, 2004: 47; Izdebska & Rolbiecki, 2020: 21

Type locality: Great Britain

Distribution: Czech Republic, Great Britain, Holland, Poland, Russia

Hosts: *Sorex araneus* (Soricomorpha: Soricidae), *Plecotus auritus* (? , probably wrong host record)(Chiroptera: Vespertilionidae)

Demodex spelaea Desch, Lukoschus et Nadchatram

Demodex spelaea Desch, Lukoschus & Nadchatram, 1986: 20; Desch, 1989: 226; Izdebska & Rolbiecki, 2020: 21

Type locality: Malaysia

Distribution: Malaysia

Host: *Eonycteris spelaea* (Chiroptera: Pteropodidae, Macroglossinae)

Demodex sungori Desch, Davis et Klompen

Demodex sungori Desch, Davis & Klompen, 2006: 77; Izdebska & Rolbiecki, 2020: 21

Type locality: laboratory colony

Distribution: [USA](actually, Asia)

Host: *Phodopus sungorus* (Rodentia: Cricetidae)

[*Demodex sylvilagi* Maravelas

Demodex sylvilagi Maravelas, 1962: MA Thesis

Type locality: New England

Distribution: USA

Host: *Sylvilagus transitionalis* (Lagomorpha: Leporidae). Note by Izdebska et al., 2020: “Nom. nud.; description not published within the meaning of the ICZN”].

***Demodex talpae* Hirst**

Demodex talpae Hirst, 1921: 370; Izdebska & Rolbiecki, 2003: 97, 2020: 21

Type locality: Great Britain

Distribution: Great Britain, Poland

Host: *Talpa europaea* (Soricomorpha: Talpidae)

***Demodex tauri* Bukva**

Demodex tauri Bukva, 1986: 364; Izdebska & Rolbiecki, 2020: 21

Type locality: České Budějovice

Distribution: Czech Rep.

Host: *Bos taurus* (Artiodactyla: Bovidae, Bovinae)

***Demodex tigris* Shi, Xie et Hsu**

Demodex tigris Shi, Xie & Hsu, 1985: 385; Izdebska & Rolbiecki, 2020: 22

Type locality: Shanghai Zool. Garden, Shanghai

Distribution: China

Host: *Panthera tigris amoyensis* (Carnivora: Felidae)

***Demodex tortellinioides* Desch et Holz**

Demodex tortellinioides Desch & Holz, 2006: 81; Izdebska & Rolbiecki, 2020: 22

Type locality: Victoria

Distribution: Australia

Host: *Antechinus agilis* (Dasyuromorphia: Dasyuridae)

***Demodex transitionalis* Moravelas**

Demodex transitionalis Moravelas, 1962

Type locality: USA

Distribution: USA

Host: *Sylvilagus transitionalis* (Lagomorpha: Leporidae). Note by Izdebska et al., 2020: “Nom. nud.; description not published within the meaning of the ICZN”].

Demodex uncii Desch*Demodex uncii* Desch, 1993: 63; Izdebska & Rolbiecki, 2020: 22

Type locality: Zoo

Distribution: Asia (collected in Zoo in USA)

Host: *Uncia uncia* (Carnivora: Felidae)***Demodex ursi*** Desch*Demodex ursi* Desch, 1995: 23; Foster, Cames & Forrester, 1998: 161; Izdebska & Rolbiecki, 2020: 22

Type locality: Florida

Distribution: USA (Florida)

Host: *Ursus americanus* (Carnivora: Ursidae)***Demodex vibrissae*** Izdebska, Rolbiecki et Fryderyk*Demodex vibrissae* Izdebska, Rolbiecki & Fryderyk, 2016; Izdebska & Rolbiecki, 2020: 22

Type locality: Poland

Distribution: Poland

Host: *Mus musculus* (Rodentia: Muridae)***Demodex zalophi*** Dailey et Nutting*Demodex zalophi* Dailey & Nutting, 1980: 424; Izdebska & Rolbiecki, 2020: 22

Type locality: San Diego (California), Arlington (Texas) and Australia

Distribution: captive sea lions in California, Texas and Australia

Host: *Zalophus californianus* (Carnivora Pinnipedia: Otariidae)Genus ***Glossicodex*** Izdebska et Rolbiecki*Glossicodex* Izdebska & Rolbiecki, 2016: 135Type species: *Glossicodex musculi* Izdebska et Rolbiecki, 2016***Glossicodex musculi*** Izdebska et Rolbiecki*Glossicodex musculi* Izdebska & Rolbiecki, 2016: 135; Izdebska & Rolbiecki, 2020: 22

Type locality: Poland

Distribution: Poland

Host: *Mus musculus* (Rodentia: Muridae)Genus ***Ophthalmodex*** Lukoschus et Nutting*Ophthalmodex* Lukoschus & Nutting, 1979: 299Type species: *Ophthalmodex artibeii* Lukoschus et Nutting, 1979***Ophthalmodex apodemi*** Bukva, Nutting et Desch*Ophthalmodex apodemi* Bukva, Nutting & Desch, 1992: 269; Izdebska & Rolbiecki, 2020: 22

Type locality: Česke Budejovice, South Bohemia

Distribution: Czech Rep.

Host: *Sylvaemus sylvaticus* (Rodentia: Muridae, Murinae)

Ophthalmodex artibei Lukoschus et Nutting

Ophthalmodex artibei Lukoschus & Nutting, 1979: 301; Izdebska & Rolbiecki, 2020: 22

Type locality: Lelydorp

Distribution: Suriname

Host: *Artibeus lituratus* (Chiroptera: Phyllostomatidae, Stenodermatinae)

Ophthalmodex australiensis Woeltjes et Lukoschus

Ophthalmodex australiensis Woeltjes & Lukoschus, 1981: 308 (lapsus)

Ophthalmodex australiensis: Domrow, 1991: 1344; Izdebska & Rolbiecki, 2020: 22

Type locality: Western Australia

Distribution: Australia

Host: *Rhinonictis aurantius* (Chiroptera: Hipposideridae)

Ophthalmodex carolliae Lukoschus, Woeltjes, Desch et Nutting

Ophthalmodex carolliae Lukoschus, Woeltjes, Desch & Nutting, 1980b: 45; Izdebska & Rolbiecki, 2020: 22

Type locality: Lelydorp, Zanderij, Onverwacht, Brownsweeg

Distribution: Suriname

Host: *Carollia perspicillata* (Chiroptera: Phyllostomatidae, Carollinae)

Ophthalmodex juniatae Veal, Giesen et Whitaker

Ophthalmodex juniatae Veal, Giesen & Whitaker, 1984: 348; Izdebska & Rolbiecki, 2020: 23

Type locality: Entriiken, Huntingdon Co, Penn.

Distribution: USA (Pennsylvania)

Host: *Myotis lucifugus* (Chiroptera: Vespertilionidae, Vespertilioninae)

Ophthalmodex molossi Lukoschus, Woeltjes, Desch et Nutting

Ophthalmodex molossi Lukoschus, Woeltjes, Desch & Nutting, 1980b: 47; Izdebska & Rolbiecki, 2020: 23

Type locality: Paramaribo

Distribution: Suriname

Host: *Molossus molossus* (Chiroptera: Molossidae)

Ophthalmodex wilsoni Woeltjes et Lukoschus

Ophthalmodex wilsoni Woeltjes & Lukoschus, 1981: 311; Domrow, 1991: 1344; Izdebska & Rolbiecki, 2020: 23

Type locality: Western Australia

Distribution: Australia

Host: *Vespadelus pumilus* (Chiroptera: Vespertilionidae, Vespertilioninae)

Genus ***Pterodex*** Lukoschus, Woeltjes, Desch et Nutting

Pterodex Lukoschus, Woeltjes, Desch & Nutting, 1980: 9

Type species: *Pterodex carolliae* Lukoschus, Woeltjes, Desch et Nutting, 1980

Pterodex carolliae Lukoschus, Woeltjes, Desch et Nutting

Pterodex carolliae Lukoschus, Woeltjes, Desch & Nutting, 1980a: 10; Izdebska & Rolbiecki, 2020: 23

Type locality: Lelydorp, Zanderij, Onverwacht, Brownsweg

Distribution: Suriname

Host: *Carollia perspicillata* (Chiroptera: Phyllostomatidae, Carollinae)

Genus ***Rhinodex*** Fain

Rhinodex Fain, 1959: 264

Type species: *Rhinodex baeri* Fain, 1959

Rhinodex baeri Fain

Rhinodex baeri Fain, 1959: 264; Izdebska & Rolbiecki, 2020: 23

Type locality: Bugesera

Distribution: Rwanda

Host: *Galago moholi* (Primates: Galagonidae)

Genus ***Soricidex*** Bukva

Soricidex Bukva, 1982 : 343

Type species: *Soricidex dimorphus* Bukva, 1982

Soricidex dimorphus Bukva

Soricidex dimorphus Bukva, 1982: 344; Izdebska, 2004a: 47; Izdebska & Rolbiecki, 2020: 23

Type locality: Česke Budejovice, South Bohemia

Distribution: Czech Rep., Poland

Host: *Sorex a. araneus* (Soricomorpha: Soricidae, Soricinae)

***Soricidex* sp.**

Soricidex sp.: Bukva, 1996: 315

Locality: Česke Budejovice, South Bohemia

Distribution: Czech Rep.

Host: *Neomys anomalus* (Soricomorpha: Soricidae)

Genus ***Stomatodex*** Fain*Stomatodex* Fain, 1959: 267Type species: *Stomatodex galagoensis* Fain, 1959***Stomatodex cercarteti*** Desch*Stomatodex cercarteti* Desch, 1991: 239; Domrow, 1992: 1606; Halliday, 1998: 49; Izdebska & Rolbiecki, 2020: 23

Type locality: New South Wales

Distribution: Australia

Host: *Cercartetus nanus* (Diprotodontia: Burramyidae)***Stomatodex corneti*** Fain***Stomatodex corneti corneti*** Fain*Stomatodex corneti* Fain, 1960: 84; Baker & Craven, 2003: 12; Izdebska & Rolbiecki, 2020: 23

Type locality: Grottes de Han (Belgium)

Distribution: Belgium, Great Britain, Rwanda

Host: *Barbastella barbastellus* (Chiroptera: Vespertilionidae), ?*Nycteris* sp. (Nycteridae)***Stomatodex corneti myotis*** Fain*Stomatodex corneti myotis* Fain, 1960: 86; Izdebska & Rolbiecki, 2020: 23

Type locality: Grottes de Han (Belgium)

Distribution: Belgium

Hosts: *Myotis dasycneme*, *M. myotis* (Chiroptera: Vespertilionidae)***Stomatodex galagoensis*** Fain*Stomatodex galagoensis* Fain, 1959: 268; Izdebska & Rolbiecki, 2020: 23

Type locality: Bugesera

Distribution: Rwanda

Host: *Galago moholi* (Primates: Galagonidae)***Stomatodex rousetti*** Fain*Stomatodex rousetti* Fain, 1960: 83; Izdebska & Rolbiecki, 2020: 24

Type locality: Mahyusha Cave, nr. Katana

Distribution: DR Congo

Host: *Rousettus aegyptiacus leachi* (Chiroptera: Pteropodidae)

Index of Demodecidae

(Names in bold are accepted as **valid**)

- acutipes*, *Demodex* 205
aelleni, *Demodex* 206
agrarii, *Demodex* 206
ailuropodae, *Demodex* 206
antechini, *Demodex* 206
apodemi, *Demodex* 206
apodemi, *Ophthalmomox* 224
Apodemox 205
araneae, *Demodex* 206
aries, *Demodex* 207
artibei, *Demodex* 207
artibei, *Ophthalmomox* 225
arvicolae, *Demodex* 207
arvicolae musculi, *Demodex* 218
aurati, *Demodex* 207
auricularis, *Demodex* 207
australiensis, *Ophthalmomox* 225
baeri, *Rhinodex* 226
bandicotae, *Demodex* 207
bantengi, *Demodex* 208
bicaudatus, *Demodex* 208
bisonianus, *Demodex* 208
bonapartei, *Demodex* 208
bovis, *Demodex* 208
bovis, *Demodex folliculorum* var. 208
brevis, *Demodex* 209
buccalis, *Demodex* 209
cabali, *Demodex* 209
cafferi, *Demodex* 209
caninus, *Demodex* 210
caninus, *Demodex folliculorum* var. 208
canis, *Demodex* 209
canis, *Demodex folliculorum* var. 208
caprae, *Demodex* 210
caprae, *Demodex folliculorum* var. 210
carolliae, *Demodex* 210
carolliae, *Ophthalmomox* 225
carolliae, *Pterodex* 226
castoris, *Demodex* 210
cati, *Demodex* 210
cati, *Demodex folliculorum* var. 210
caviae, *Demodex* 210
cercarteti, *Stomatodex* 227
cervi, *Demodex* 211
chiropteralis, *Demodex* 211
conicus, *Demodex* 211
cornei, *Demodex* 211
corneti corneti, *Stomatodex* 211
corneti myotis, *Stomatodex* 211
corniculatus, *Demodex* 211
cornutus, *Apodemox* 205
criceti, *Demodex* 211
cricetuli, *Demodex* 211
cuniculi, *Demodex* 211
cyonis, *Demadex* 212
dasypodi, *Demodex* 212
Demodecidae 205
Demodex 205
Demodicidae 205
Demodicoidea 205
desmodi, *Demodex* 212
dimorphus, *Soricidex* 226
equi, *Demodex* 212
equi, *Demodex folliculorum* var. 212
erinacei, *Demodex* 212
erinacei, *Demodex canis* var. 212
ermineae, *Demodex* 212
felis, *Demodex* 213
flagellurus, *Demodex* 213
folliculorum, *Acarus* 213
folliculorum, *Demodex* 213
foveolator, *Demodex* 213
fusiformis, *Demodex* 213
galagoensis, *Stomatodex* 227
gapperi, *Demodex* 214
gatoi, *Demodex* 214

- ghanensis*, *Demodex* 214
glareoli, *Demodex* 214
glareoli, *Demodex arvicolae* var. 214
gliricolens, *Demodex* 214
Glossicodex 224
gracilentus, *Demodex* 214
hominis, *Demodex* 213
huttereri, *Demodex* 215
injai, *Demodex* 215
intermedius, *Demodex* 215
juniatae, *Ophthalmomox* 225
kutzeri, *Demodex* 215
lacrimalis, *Demodex* 215
leucogasteri, *Demodex* 215
longior, *Demodex* 216
longissimus, *Demodex* 216
longus, *Demodex folliculorum* 213
lutrae, *Demodex* 216
macaci, *Demodex* 216
macroglossi, *Demodex* 216
marculus, *Demodes* 216
marsupiali, *Demodex* 216
melanopteri, *Demodex* 217
melesinus, *Demodex* 217
merioni, *Demodex* 217
mexicanus, *Demodex* 217
microti, *Demodex* 217
mollis, *Demodex* 217
molossi, *Demodex* 217
molossi, *Ophthalmomox* 225
muscardini, *Demodex* 218
musculi, *Demodex arvicolae* 218
musculi, *Demodex folliculorum* var. 218
musculi, *Demodex* 218
musculi, *Glossicodex* 224
myotidis, *Demodex* 218
mystacina, *Demodex* 218
nanus, *Demodex* 218
neomydis, *Demodex* 218
neoopisthosomae, *Demodex* 219
norvegicus, *Demodex* 219
novazelandica, *Demodex* 219
nycticeii, *Demodex* 219
odocoilei, *Demodex* 219
Ophthalmomox 224
ovis, *Demodex folliculorum* var. 219
ovis, *Demodex* 220
peromysci, *Demodex* 220
phocidi, *Demodex* 220
phodopi, *Demodex* 220
phylloides, *Demodex* 220
phyllostomatis, *Demodex* 220
plecoti, *Demodex* 220
ponderosus, *Demodex* 221
pseudaxisi, *Demodex* 221
Pterodex 226
ratti, *Demodex* 221
ratticola, *Demodex* 221
Rhinodex 226
rosus, *Demodex* 221
rousetti, *Stomatodex* 228
sabani, *Demodex* 221
saimiri, *Demodex* 221
sciurei, *Demodex* 222
sciurinus, *Demodex* 222
sinensis, *Demodex folliculorum* 213
sinocricetuli, *Demodex* 222
Soricidex 226
soricinus, *Demodex* 222
spelaea, *Demodex* 222
Stomatodex 227
suis, *Demodex folliculorum* var. 220
sungori, *Demodex* 222
sylvilagi, *Demodex* 223
talpae, *Demodex* 223
tauri, *Demodex* 223
tigris, *Demodex* 223
tortellinioides, *Demodex* 223
transitionalis, *Demodex* 223
uncii, *Demodex* 224
ursi, *Demodex* 224
vibrissae, *Demodex* 224
wilsoni, *Ophthalmomox* 225
zalophi, *Demodex* 224

Distribution of Demodecidae

EUROPE

Armenia (Bregetova et al., 1955) – *Demodex muscardini*

Austria (Kutzer & Grünberg, 1972; Bukva, 1987) – *Demodex cervi*, *D. kutzeri*

Azerbaijan (Gadzhiev et al., 1988) – *Demodex bovis*, *D. canis*, *D. cuniculi*, *D. folliculorum*, *D. phylloides*

Belgium (Fain, 1960; de Bosschere et al., 2007) – *Stomatodex c. corneti*, *S. corneti myotis*

Bulgaria (Drenski, 1921; Kolev, 1958; Hristov & Mihailov, 1988; Nedelchev, Rusev & Vassileva, 2001; Iliev, Zhelev, Ivanov & Prelezov, 2019) – *Demodex aurati*, *D. canis*, *D. cati*, *D. caviae*, *D. equi*

Czech Rep. (Daniel, Bozdech & Moucka, 1959; Bukva, 1982, 1984, 1985a, 1985b, 1986, 1993a, 1993b, 1994, 1995a, 1995b, 1996; Bukva, Nutting & Desch, 1992; Fleischer et al., 1996) – *Apodemodex cornutus*, *Demodex aries*, *D. buccalis*, *D. flagellurus*, *D. folliculorum*, *D. foveolator*, *D. neomydis*, *D. norvegicus*, *D. ovis*, *D. ratti*, *D. ratticola*, *D. rosus*, *D. soricinus*, *D. tauri*; *Ophthalmodex apodemi*, *Soricidex dimorphus*

Denmark (Hallas, 1978) – *Demodex brevis*, *D. canis*, *D. equi*, *D. folliculorum*, *D. ovis*

Finland (Saari et al., 2009) – *Demodex gatoi*

France (contin.) (Hirst, 1919; 1921) – *Demodex bovis*, *D. equi*, *D. phylloides*

Germany (Haller, 1882; Poppe, 1909; Hirst, 1919; Hoffman & Hiepe, 1987) – *Demodex bovis*, *D. equi*, *D. folliculorum*, *D. phylloides*

Great Britain (Hirst, 1917, 1919; 1921, 1923; Brownlee, 1935; Turk, 1953; Baker & Craven, 2003) – *Demodex arvicolae*, *D. bovis*, *D. canis*, *D. cati*, *D. chiropteralis*, *D. cuniculi*, *D. equi*, *D. erinacei*, *D. ermineae*, *D. folliculorum*, *D. melesinus*, *D. ovis*, *D. ratti*, *D. sciurinus*, *D. soricinus*, *Stomatodex corneti*

Greece (Himonas, Theodorides & Alexakis, 1975) – *Demodex* spp.

Holland (van Eynhoven, 1965; Lukoschus & Jongman, 1974) – *Demodex lacrimalis*, *D. soricinus*

Hungary (Dudich et al., 1940) – *Demodex folliculorum*

Ireland (Baker, 1970, 1973) – *Demodex canis*

Italy (continent.) (Starkoff & Starkoff, 1950; Lukoschus & Jongman, 1974; Candotti et al., 1996) – *Demodex canis*, *D. folliculorum*, *D. lacrimalis*

Norway (Mehl, 1979) – *Demodex bovis*, *D. canis*, *D. cati*, *D. caprae*, *D. equi*, *D. folliculorum*

Poland (Kadulski, 1978, 1996a, 1996b, 1997; Kadulski & Izdebska, 1996; Kadulski, Izdebska & Konczyk, 1996; Fryderyk & Izdebska, 2001; Izdebska & Fryderyk, 2000, 2002, 2011, 2012a, 2012b; Izdebska & Rolbiecki, 2002, 2003, 2004, 2006, 2012a, 2012b, 2013a, 2013b, 2014, 2015a, 2015b, 2016, 2018, 2020; Izdebska, 2000a, 2000b, 2001a, 2001b, 2001c, 2001d, 2002, 2004a, 2004b, 2005, 2006a, 2006b, 2006c, 2007, 2008, 2009, 2012; Izdebska, Rolbiecki & Fryderyk, 2011, 2014, 2016; Haitlinger & Jankowska, 2005; Izdebska & Jankowski, 2006; Czepita et al., 2007; Izdebska & Cydzik, 2010; Izdebska

& Krawczyk, 2012) – *Demodex acutipes*, *D. agrarii*, *D. apodemi*, *D. auricularis*, *D. musculi*, *D. bisonianus*, *D. bovis*, *D. brevis*, *D. buccalis*, *D. canis*, *D. caprae*, *D. castoris*, *D. cati*, *D. chiropteralis*, *D. conicus*, *D. cornei*, *D. corniculatus*, *D. equi*, *D. flagellurus*, *D. folliculorum*, *D. fusiformis*, *D. gatoi*, *D. glareoli*, *D. gracilentus*, *D. injai*, *D. kutzeri*, *D. lacrimalis*, *D. longior*, *D. lutrae*, *D. marculus*, *D. marsupiali*, *D. melesinus*, *D. microti*, *D. mollis*, *D. musculi*, *D. nanus*, *D. norvegicus*, *D. ovis*, *D. phocidi*, *D. phylloides*, *D. plecoti*, *D. ratti*, *D. ratticola*, *D. sciurinus*, *D. soricinus*, *D. talpae*, *D. vibrissae*, *Glossicodex musculi*, *Soricidex dimorphus*

Romania (Stoenescu et al., 1972; May, Putin & Aciočirlănoaia, 1975) – *Demodex canis*

Russia (all, continent.) (Isaychikov, 1928; Chernobayev, 1928; Rozgon, 1930; Shpringol'ts – Schmid, 1937; Dubinin, 1953; Klinski, 1956, 1959; Polyakov, 1956, 1977; Dubinina, 1987; Moskvina, 2017) – *Demodex apodemi*, *D. aries*, *D. arvicolae*, *D. bovis*, *D. brevis*, *D. caballi*, *D. canis*, *D. caprae*, *D. cati*, *D. equi*, *D. folliculorum*, *D. musculi*, *D. nanus*, *D. ovis*, *D. phylloides*, *D. pseudaxisi*

Slovakia (Bukva, 1994) – *Demodex agrarii*

Spain (cont.) (Hirst, 1919) – *Demodex phylloides*

Canary Islands (Ollé et al., 2020) – *Demodex musculi*

Sweden (Hist, 1919) – *Demodex phylloides*

Switzerland (Fain, 1960) – *Demodex aelleni*

Turkey (all) (Özdemir et al., 2003; Karaer et al., 2009; Pekmezci, Pekmezci & Bolukbas, 2018; Zeytun & Karakurt, 2019; Sari, Zeytun, Doğan & Karakurt, 2019) – *Demodex brevis*, *D. canis*, *D. folliculorum*

AFRICA

Algeria (Legrain & Régulato, 1903; Hist, 1919) – *Demodex phylloides*

Angola (Freire & Dias, 1947) – *Demodex bovis*

Botswana (Dräger & Paine, 1980) – *Demodex cafferi*

Congo DR (Hirst, 1919; Fain, 1960) – *Demodex bovis*, *Stomatodex rousetti*

Egypt (Salib, 2018) – *Demodex*

Ethiopia (Mulugeta, Yacob & Ashenafi, 2010; Chanie, Tadesse & Bogale, 2013) – *Demodex bovis*

Ghana (Oppong, 1970; Oppong, Lee & Yasin, 1975) – *Demodex ghanensis*

Libya (Gabaj et al., 1992) – *Demodex* sp.

Madagascar (Hist, 1919) – *Demodex phylloides*

Malawi (Griffiths, 1945) – *Demodex bovis*

Nigeria (Esuruoso, 1977; Slingerberg, Mohammed & Bida, 1980; George et al., 1992; Ugbomoiko, Ariza & Heukelbach, 2008) – *Demodex canis*, *D. folliculorum*

Rwanda (Fain, 1959, 1960) – *Rhinodex baeri*, *Rh. galagoensis*, *Stomatodex c. corneti*

South Africa (Du Toit & Fiedler, 1960; Nutting & Guilfooy, 1979; Wolhuter et al., 2009) – *Demodex bovis*, *D. cafferi*, *D. canis*, *D. caprae*, *D. folliculorum*, *D. phylloides*

Sudan (Abu-Samra, Hago & Musa, 1981; Abu-Samra, Imbabi & Mahgoub, 1981; Abu-Samra & Shuaib, 2014) – *Demodex canis*, *D. ghanensis*

Zambia (Mwase & Baker, 2006) – *Demodex bovis*, *D. canis*, *D. folliculorum*, *D. phylloides*

ASIA

Bangladesh (Noorudin & Rahman, 1985) – *Demodex bovis*

China (Zhang et al., 1982; Xie, Liu, Ye & Hsu, 1982; Shi, Xie & Hsu, 1985; Liu, Xu, Xie & Xu, 1988; Yehua Xu, Hexiu Xie, Sulan Liu, Zhongyong Zhou, Xinquan Shi, 1986; Chen, 1997; Fan et al., 1990; Lin, Wang & Hong, 2000; Liu, 2007; Zhao, Guo & Wu, 2009; Zhao, Cheng, Hu & Ma, 2014) – *Demodex ailuropodae*, *D. brevis*, *D. caprae*, *D. folliculorum*, *D. folliculorum sinensis*, *D. tigris*

Cyprus (Cooreman, 1946) – *Demodex canis*, *D. caprae*

India (Hirst, 1919; Sreenivasan & Rizvi, 1946; Venkatesan, Nandy & Krishnan, 1979; Chakrabarti & Pardhan, 1985; Yathiraj et al., 1994; Nayak et al., 1997; Putatunda, Kumar & Banerjee, 2004; Sivajothi et al., 2013) – *Demodex canis*, *D. cati*, *D. caprae*, *D. cornei*, *D. ovis*

Indonesia (Sangvaranond, 1979) – *Demodex*

Iran (Rafiyi, Alavi & Rak, 1967; Rak, 1969, 1973, 1976; Rak & Rahgozar, 1975a, 1975b) – *Demodex canis*, *D. ovis*, *D. phylloides*

Israel and Palestina (Yeruham, Rosen & Hadani, 1986) – *Demodex ovis*

Japan (Tashiro et al., 1979; Sarashina & Sato, 1986; Morita, 2018) – *Demodex aurati*, *D. criceti* [cage], *D. cyonis*, *D. bovis*

Korea (Chee, Jeong-Hyun et al., 2008) – *Demodex canis*

Kuwait (Tarello, 2007) – *Demodex* sp.

Laos (Izdebska, 2017) – *Demodex bandicotae*

Malaysia (Beck, 1971; Lukoschus, Mertens, Nutting & Nadchatram, 1984; Desch, Lukoschus & Nadchatram, 1984, 1986; Dorny et al., 1994) – *Demodex caprae*, *D. intermedius*, *D. neopisthosomae*, *D. sabani*, *D. spelaea*

Mongolia (Tsudev & Grebenyuk, 1975; Matthes & Bukva, 1993) – *Demodex bovis*, *D. caprae*

Saudi Arabia (Tarello, 2007) – *Demodex* sp.

Thailand (Tarello, 2007) – *Demodex* sp.

NORTH AMERICA

Canada (Hist, 1919; Smith, 1960, 1961a, 1961b; Gentes, Proctor & Wobeser, 2007) – *Demodex odocoilei*, *D. phylloides*

Mexico (Hoffmann et al., 1972; Quintero, 1977; Vargas, Bassols, Desch, Quintero & Polaco, 1995; Rodriguez-Vivas et al., 2003) – *Demodex artibeii*, *D. canis*, *D. folliculorum*, *D. mexicanus*, *D. phylloides*

USA (Faxon, 1878; Stiles, 1892; Hirst, 1919; Cram, 1925; Baker & Nutting, 1950; Besch & Griffiths, 1956; Carpenter, Freeny & Patton, 1972; Desch & Nutting, 1974; Nutting, Beekman & Snyder, 1978; Dailey & Nutting, 1980; Hughes & Nutting, 1981; Lombert,

Lukoschus & Whitaker, 1983; Veal, Giesen & Whitaker, 1984; Forrester, Spalding & Woodling, 1993; Hurley & Desch, 1994; Desch, 1995, 1996; Waggle & Marion, 1997; Foster, Cames & Forrester, 1998; Desch & Bonner, 1999; Jacques, Jenks, Hildreth, Schauer & Johnson, 2001; Desch & Stewart, 2002; Desch & Hillier, 2003; Bildfell et al., 2004; Jekl, Hauptman, Jeklova & Knotek, 2006; Reeves et al., 2007; Turner & Cano, 2008; Prasad, 2009; Desch et al., 2010; Yabsley et al., 2013) – *Demodex bovis*, *D. brevis*, *D. canis*, *D. caprae*, *D. cricetuli*, *D. dasypodi*, *D. equi*, *D. folliculorum*, *D. gapperi*, *D. gatoi*, *D. injai*, *D. kutzeri*, *D. leucogasteri*, *D. nycticeii*, *D. odocoilei*, *D. peromysci*, *D. phylloides*, *D. ursi*, *D. zalophi*, *Ophthalmomox juniaetae*

SOUTH and CENTRAL AMERICA

Argentina (Hirst, 1919) – *Demodex phylloides*

Aruba (Sutmöller, 1957) – *Demodex* sp.

Brazil (Hirst, 1919; Rocha & Pardi, 1954; Faccini, Santos & Bechara, 2004; Santarém, Farias & Tostes, 2005; Cardoso & Franco, 2003) – *Demodex bovis*, *D. phylloides*

Chile (Crossley, Gorman & Alcaïno, 1970; Cekalović, 1976: 37; Alcaïno & Gorma, 1999) – *Demodex canis*

Colombia (Cardona, Vargas & Perdomo, 2013) – *Demodex bovis*

Cuba (Guerra et al., 2010) – *Demodex* spp.

Suriname (Leydig, 1859; Fain, 1960; Desch, Lebel, Nutting & Lukoschus, 1971; Desch & Nutting, 1972; Lukoschus, Jongman & Nutting, 1972; Desch, Nutting & Lukoschus, 1972; Lukoschus & Nutting, 1979; Nutting, Lukoschus & Desch, 1980; Lukoschus, Woeltjes, Desch & Nutting, 1980a, 1980b) – *Demodex carolliae*, *D. desmodi*, *D. longissimus*, *D. marsupiali*, *D. melanopteri*, *D. molossi*, *D. phyllostomatis*, *Ophthalmomox artibeï*, *O. carolliae*, *O. molossi*, *Pterodex carolliae*

Venezuela (Alvarez et al., 2007) – *Demodex* sp.

South America (Lebel & Nutting, 1973) – *Demodex saimiri*

OCEANIA

Australia (continent) (Carter, 1942; Nutting & Wooley, 1965; English, 1969; Nutting & Sweatman, 1970; Nutting & Green, 1976; Woeltjes & Lukoschus, 1981; Veal, Giesen & Whitaker, 1984; Kniest & Lukoschus, 1981; Desch, 1981, 1991; Holz, 1998; Domrow, 1991, 1992; Vogelnest et al., 2000; Desch & Holz, 2006) – *Demodex antechini*, *D. bicaudatus*, *D. bovis*, *D. brevis*, *D. canis*, *D. caprae*, *D. cati*, *D. equi*, *D. folliculorum*, *D. macroglossi*, *D. ovis*, *D. phylloides*, *D. tortellinioides*, *D. zalophi*, *Demodex* sp., *Ophthalmomox australiensis*, *O. wilsoni*, *Stomatodex cercarteti*

New Zealand (Thomson, 1922; Nelson, 1956; Sweatman, 1962; Whitten, 1962; Nutting, Kettle, Tenquist & Whitten, 1975; Andrews, 1982; Desch, 1986, 1989; Tenquist & Charleston, 2001; Hill, McKenna & Mirams, 2008) – *Demodex aries*, *D. brevis*, *D. canis*, *D. caprae*, *D. ermineae*, *D. folliculorum*, *D. mystacina*, *D. novazelandica*, *D. ovis*, *D. phylloides*

Tokelau (Andrews, 1988) – *Demodex*

Hosts of Demodecidae

Mammalia

Metatheria

Dasiuromorphia

Fam. Dasiuridae

Antechinus agilis – *Demodex antechini*, *D. tortellinioides*

A. stuarti – *Demodex antechini*

Didelphimorphia

Fam. Didelphidae

Didelphis marsupialis – *Demodex marsupiali*

Diprotodontia

Fam. Phascolarctidae

Phascolarctos cinereus – *Demodex* sp.

Fam. Burramyidae

Cercartetus nanus – *Stomatodex cercarteti*

Eutheria

Soricomorpha

Fam. Soricidae

Crocidura suaveolens – *Demodex foveolator*

Neomys anomalus – *Apodemodex cornutus*, *Demodex neomydis*, *Soricidex* sp.

Sorex araneus – *Demodex soricinus*, *Soricidex dimorphus*

Fam. Talpidae

Talpa europaea – *Demodex talpae*

Chiroptera

Fam. Pteropodidae

Eonycteris spelaea – *Demodex neoopistosomae*, *D. spelaea*

Macroglossus minimus – *Demodex bicaudatus*, *D. macroglossi*

Rousettus aegyptiacus leachi – *Stomatodex rousetti*

Fam. Hipposideridae

Rhinonictis aurantia – *Ophthalmodex australiensis*

Fam. Phyllostomatidae

Artibeus aztecus – *Demodex artibeii* *lituratus* – *Ophthalmodex artibeii*

Carollia perspicillata – *Demodex carolliae*, *D. longissimus*, *Ophthalmodex carolliae*, *Pterodex carolliae*

Desmodus rotundus – *Demodex desmodi*

Phyllostoma hastatum – *Demodex phyllostomati*

Fam. Molossidae

Molossus molossus – *Demodex molossi*, *Ophthalmodex molossi*

Fam. Mystacinidae

Demodex mystacina, *D. novazelandica*

Fam. Vespertilionidae

Barbastella barbastellus – *Stomatodes corneti corneti*

Eptesicus melanopterus – *Demodex melanopteri*

Myotis daubentonii – *Demodex aelleni*

M. lucifugus – *Ophthalmodex juniatae*

M. myotis – *Stomatodes corneti myotis*

M. dasycneme – *Stomatodes corneti myotis*

Nycticeius humeralis – *Demodex nycticeii*

Plecotus auritus – *Demodex chiropteralis*, *D. plecoti*, *D. soricinus*

P. [Corynorhinus] mexicanus – *Demodex mexicanus*

Vespadelus pumilus – *Ophthalmodex wilsoni*

Rodentia**Fam. Arvicolidae**

Arvicola terrestris – *Demodex gliricolens*

Microtus agrestis – *Demodex agrestis*

M. arvalis – *Demodex arvicolae*

Myodes [Clethrionomys] gapperi – *Demodex gapperi*

M. [C.] glareolus – *Demodex buccalis*, *D. glareoli*

M. [Clethrionomys, Evotomys] glareolus britannicus – *Demodex glareoli*

Fam. Caviidae

Cavia – *Demodex caviae*

Fam. Cricetidae

Cricetulus migratorius – *Demodex cricetuli*

C. barabensis – *Demodex sinocricetuli*

Mesocricetus auratus – *Demodex aurati*, *D. criceti*

Peromyscus leucopus – *Demodex peromysci*

Phodopus sungarus – *Demodex phodopi*, *D. sungori*

Fam. Gliridae (Myoxidae)

Muscardinus avellanarius – *Demodex muscardini*

Fam. Muridae

Apodemus agrarius – *Demodex agrarii*, *D. apodemi*, *D. gracilentus*, *D. hutthereri*

Bandicota indica – *Demodex bandicotae*

Sylvaemus flavicollis – *Demodex corniculatus*, *D. mollis*, *D. rosus*

S. sylvaticus – *Demodex apodemi*, *D. auricularis*, *D. lacrimalis*, *D. longior*,

Ophthalmodex apodemi

Leopoldamys sabanus – *Demodex sabani*

L. edwardsi – *Demodex sabani*

Mus musculus – *Demodex conicus*, *D. flagellurus*, *D. fusiformis*, *D. marculus*,

D. musculi, *D. vibrissae*, *Glossicodex musculi*

Niviventer cremoriventer – *Demodex sabani*

N. rapit – *Demodex sabani*

Rattus rattus – *Demodex nanus*

R. norvegicus – *Demodex nanus*, *D. norvegicus*, *D. ponderosus*, *D. ratti*, *D. ratticola*

R. annandalei – *Demodex sabani*

R. tiomanicus jalorensis – *Demodex sabani*

Sundamys mulleri – *Demodex sabani*

Fam. Sciuridae

Cynomys ludovicianus – *Demodex*

Sciurus vulgaris – *Demodex sciurinus*

Fam. Castoridae

Castor fiber – *Demodex castoris*

Lagomorpha

Fam. Leporidae

Oryctolagus cuniculus – *Demodex oryctolagi*

Carnivora

Fam. Ailuropodidae

Ailuropoda melanoleuca – *Demodex ailuropoda*

Fam. Canidae

Canis lupus familiaris – *Demodex canis*, *D. cornei*, *D. cyonis*, *D. injai*

Fam. Felidae

Felis catus – *Demodex gatoi*, *D. cati*

Panthera tigris amoyensis – *Demodex tigris*

Uncia uncia – *Demodex uncii*

Fam. Mustelidae

Lutra lutra – *Demodex lutrae*

Meles meles – *Demodex melesinus*

Mustela nivalis vulgaris – *Demodex* sp.

M. erminea – *Demodex erminea*

Fam. Procyonidae

Procyon lotor – *Demodex* sp.

Fam. Ursidae

Ursus americanus – *Demodex ursi*

Carnivora Pinnipedia

Fam. Otariidae

Zalophus californianus – *Demodex zalophi*

Fam. Phocidae

Phoca vitulina – *Demodex phocidi*

Primates

Fam. Galagonidae

Galago moholi – *Rhinodex baeri*, *Stomatodex galagoensis*

Fam. Cebidae

Saimiri sciureus – *Demodex saimiri*

Fam. Cercopithecidae

Macaca mulatta – *Demodex macaci*

Fam. Callithricidae

Saguinus geoffroyi – *Demodex* sp.

S. midas – *Demodex* sp.

Fam. Atelidae

Ateles sp. – *Demodex araneae*

Fam. Hominidae

Homo sapiens – *Demodex brevis*, *D. folliculorum*, *D. f. sinensis*

Perissodactyla

Fam. Equidae

Equus caballus – *Demodex caballi*, *D. equi*

Artiodactyla

Fam. Bovidae

Bison bonasus – *Demodex bisonianus*, *D. bovis*

Bos javanicus – *Demodex bantengi*

B. taurus – *Demodex bovis*, *D. ghanensis*, *D. tauri*

Capra hircus – *Demodex caprae*

Odocoileus hemionus – *Demodex kutzeri*, *D. odocoilei*

O. virginianus – *Demodex kutzeri*, *D. odocoilei*

Ovis aries – *Demodex aries*, *D. ovis*

Syncerus caffer – *Demodex cafferi*

Taurotragus oryx – *Demodex* sp. (nr. *D. kutzeri*)

Fam. Cervidae

Alces alces – *Demodex kutzeri*

Capreolus capreolus – *Demodex kutzeri*

Cervus elaphus – *Demodex acutipes*, *D. kutzeri*

C. elaphus nelsoni – *Demodex kutzeri*

C. nippon pseudaxis – *Demodex kutzeri*, *D. pseudaxisi*

Dama dama – *Demodex kutzeri*

Odocoileus h. hemionus – *Demodex kutzeri*

O. virginianus – *Demodex kutzeri*, *D. odocoilei*

Fam. Suidae

Sus scrofa – *Demodex folliculorum*, *D. phylloides*

Bibliography of Demodecidae

- Abu-Samra M.T., B.E.D. Hago, B.E. Musa. 1981. Severe canine demodicosis in the Sudan. First reported cases. – J. Small Anim. Pract., **22**(3): 149–152.
- Abu-Samra M.T., S.E. Imbabi, E.S. Mahgoub. 1981. Mange in domestic animals in the Sudan. – Annals Trop. Med. Parasitol., **75**(6): 627–637.
- Abu-Samra M.T., Y.A. Shuaib. 2014. Pathology and pathogenesis of bovine skin and meibomian gland demodicosis. – Rev. Elev. Med. Vet. Pays Trop., **67**: 77–85.
- Abu-Samra M.T., Y.A. Shuaib. 2015. Bovine demodicosis: Leather from the raw material to the finished product. – J. Soc. Leather Tech. Chem., **99**: 80–90.
- Abu-Samra M.T., Y.A. Shuaib. 2017. Morphometric and morphologic characteristics of *Demodex bovis* and *Demodex ghanensis* (Acarina: Trombidiformes: Demodicidae) isolated from cattle in the Sudan. – J. Anim. Vet. Sci., **3**: 25–33.
- Agostini A. 1939. Question of *Demodex folliculorum* in dermatology, study apropos of a case of circumscribed pigmentation of face. – Dermosiflografa, **14**: 421–448.
- Akbulatova L. 1959. [Detection of the tick *Demodex folliculorum* in pruritic dermatoses of the face]. – Vestnik Dermat. i Venerol., **33**(6): 63–65.
- Akbulatova L. 1963. Human demodicosis. – Vestnik Dermat. i Venerol., **38**(3): 34–42.
- Alcaino H., T. Gorma. 1999. Parasitos de los animales domesticos en Chile. – Parasitologia al dia, **23**(1–2): 33–41.
- Ali M.H., N. Begum, M.G. Azam, B.C. Roy. 2011. Prevalence and pathology of mite infestation in street dogs at Dinajpur municipality area. – J. Bangladesh Agril. Univ., **9**: 111–119.
- Alvarez L., O.C. Medina, M.-E. Garcia, H. Garcia. 2007. First report of an unclassified *Demodex* mite causing demodicosis in a Venezuelan dog. – Ann. Trop. Med. Parasitol., **101**(6): 529–532.
- Andrews J.R. 1982. The prevalence of hair follicle mites in caucasian New Zealanders. – N.Z. Med. J., **95**: 451–453.
- Andrews J.R.H. 1988. The epidemiology of *Demodex* (Demodicidae) infestations in Tokelau Islanders.1, pp. 97–101. In „Progress in Acarology”. Eds. G.L. Channabasavanna & C.A. Viraktamath. New Delhi, Bombay and Calcutta.
- Ayers S.Jr., N.P. Anderson. 1932. *Demodex folliculorum* its role in the etiology of Acne Rosacea. – Arch. Dermat. Syph., **25**: 89–96.
- Ayers S.Jr., S. Ayers, III. 1961. Demodectic Eruptions (Demodicosis) in the human. – Arch. Dermat., **83**: 816–827.
- Bacigalupo J., R. J. Roveda. 1954. *Demodex caviae* n. sp. – Rev. Med. Vet., Buenos Aires, **36**: 149–153.
- Baker A.S., J.C. Craven. 2003. Checklist of the mites (Arachnida: Acari) associated with bats (Mammalia: Chiroptera) in the British Isles. – Syst. Appl. Acarol., **14**: 1–20.
- Baker D. W., W. F. Fisher. 1960. The incidence of demodectic mites in the eyelids of various mammalian hosts. – J. Econ. Entomol., **62**: 942.

- Baker D. W., W. B. Nutting. 1950. Demodectic mange in New York State sheep. – Cornell Veterinarian, **40**: 140–142.
- Baker K. P. 1970. Observations on the epidemiology, diagnosis and treatment of Demodicosis in dogs. – Vet. Rec., **86**: 90–91.
- Baker K. P. 1973. *Demodex* spp. In the Meibomian glands of Irish cattle. – Vet. Rec., **92**: 699–701.
- Baker K. P. 1975. Hyperpigmentation of the skin in canine demodicosis. – Vet. Parasitology, **1**(2): 193–197.
- Ballweber L.R., J.E. Harkness. 2007. Parasites of guinea pigs. In: Flynn's Parasites of Laboratory Animals; Baker, D.G., Ed.; Blackwell Publishing: Ames, IA, USA: 421–449.
- Batey R.G., R.C.A. Thompson, D.G. Nickels. 1981. Demodectic mange in a cat. – Australian Vet. Journal, **57**: 49.
- Besch E.D., H. Griffiths. 1956. Demonstration of *Demodex equi* (Railliet, 1895) from a horse from Minnesota. – J. Am. Vet. Med. Assoc., **128**: 82–83.
- Beck A.J. 1971. A survey of bat ectoparasites in West Malaysia. – J. of Med. Entomology, **8**(2): 147–152.
- Beerman H., J.H. Strokes. 1934. Rosacea complex and *Demodex folliculorum*. – Arch. Dermat. Syph., **29**: 874–884.
- Bell D. S., W. D. Pouden, B. H. Edgington, O. G. Bentley. 1952. *Psorergates ovis* – a cause of itchiness in sheep. – J. Am. Vet. Med. Assoc., **120**: 117–120.
- Bennison J. C. 1943. Demodicosis of horses with particular reference to equine members of the genus *Demodex*. – J. Roy. Army Vet. Corps, **14**: 34–49, 66–73.
- Bibov A.I. 1965. Demodicosis in cattle. – Veterinaria, **42**(10): 48–49.
- Bildfell R.J., J. W. Mertins, J.A. Mortenson, D.F. Cottam. 2004. Hair-loss syndrome in black-tailed deer of the Pacific Northwest. – J. of Wildlife Diseases, **40**(4): 670–681.
- Bochkov A. V. 2009a. A review of mites of the parvorder Eleutherengona (Acariformes: Prostigmata) – permanent parasites of mammals. – Acarina Supplement No1: 3–149.
- Bochkov A. V. 2009b. Origin and evolution of parasitism in mites of the infraorder Eleutherengona (Acari: Prostigmata). Report II. Superfamily Cheyletoidea. – Parazitologiya (St. Petersburg), **43**(2): 97–117
- Bornstein S. 2010. Important ectoparasites of alpaca (*Vicugna pacos*). – Acta Vet. Scand., **52**(Suppl. 1): S17.
- Borrel A. 1908. *Demodex* et infections cutanées. – Comp. Rend. Soc. Biol. Paris, **65**(36): 596–597.
- Borrel A. 1909. Lèpre et *Demodex*. – Compt. Rend. Acad. Sci., Paris, **148**(1): 50–51.
- Bowman D.D., Ch. M. Hendrix, D.S. Lindsay, S.C. Barr. 2002. Feline clinical parasitology. Iowa State University Press.
- [Bregetova N.G. et al.]. 1955. Kleshchi Gryzunov Fauny SSSR, Izdatel'stvo Ak. Nauk SSSR: Moskva, Leningrad, 1–459.
- Brownlee A. 1935. A species of *Demodex* found in sheep in Britain. – J. comp. Path. Ther., **48**: 68–73.

- Bukva V. 1982. *Sorcidex dimorphus* g. n., sp. n. (Acari: Demodicidae) from the common shrew, *Sorex araneus*. – Folia Parasitologica (Praha), **29**: 343–349.
- Bukva V. 1984. *Demodex foveolator* sp. n. (Acari: Demodicidae), a new epidermis-dwelling parasite of *Crocidura suaveolens* (Pallas, 1821). – Folia Parasitologica (Praha), **31**: 45–52.
- Bukva V. 1985. *Demodex flagellurus* sp. n. (Acari: Demodicidae) from the preputial and clitoral glands of the house mouse, *Mus musculus* L. – Folia Parasitologica, **32**: 73–81.
- Bukva V. 1986. *Demodex tauri* sp. n. (Acari: Demodicidae), a new parasite of cattle. – Folia Parasitologica, **33**: 363–369.
- Bukva V. 1987. *Demodex kutzeri* sp. n. (Acari: Demodicidae), an identical parasite of two species of deer, *Cervus elaphus* and *C. nippon pseudaxis*. – Folia Parasitologica, **34**: 173–181.
- Bukva V. 1988. Synhospitality of *Demodex* species (Acari: Demodicidae) in the sheep, *Ovis aries* L. Abstracts of the V-th European Multicolloquium of Parasitology, September 4–9, 1988, Budapest, p. 150.
- Bukva V. 1990a. Transmission of *Demodex flagellurus* (Acari: Demodicidae) in the house mouse, *Mus musculus*, under laboratory conditions. – Experimental & Applied Acarology, **10**: 53–60.
- Bukva V. 1990b. Three species of the hair follicle mites (Acari: Demodicidae) parasitizing the sheep, *Ovis aries* L. – Folia Parasitologica, **37**: 81–91.
- Bukva V. 1991. Structural reduction and topological retrieval: problems in taxonomy of Demodicidae. – In: F. Dusbábek & V. Bukva (Eds) Modern Acarology, Academia, Prague and SPB Academic Publishing bv, The Hague, **1**: 293–300.
- Bukva V. 1993a. Sexual dimorphism in the hair follicle mites (Acari: Demodicidae): scanning electron microscopy of *Sorcidex dimorphus*. – Folia Parasitologica, **40**: 71–79.
- Bukva V. 1993b. Redescription of *Demodex soricinus* (Acari: Demodicidae) from the sebaceous glands of *Sorex araneus* (Insectivora). – Folia Parasitologica, Prague, **40**: 243–248.
- Bukva V. 1994. *Demodex agrarii* sp.n. (Acari: Demodicidae) from cerumen and the sebaceous glands in the ear of the striped field mouse, *Apodemus agrarius* (Rodentia). – Folia Parasitologica, **41**(4): 305–311.
- Bukva V. 1995a. *Demodex neomydis* sp. n. (Acari: Demodicidae) from the hair follicles of the Mediterranean water shrew, *Neomys anomalus* (Insectivora: Soricidae). – Folia Parasitologica, **42**(4): 299–306.
- Bukva V. 1995b. *Demodex* species (Acari: Demodicidae) parasitizing the brown rat, *Rattus norvegicus* (Rodentia): redescription of *Demodex ratti* and description of *D. norvegicus* sp. n. and *D. ratticola* sp.n. – Folia Parasitologica (Česke Budejovice), **41**(4): 149–160.
- Bukva V. 1996. *Apodemodex cornutus* gen. n. et sp. n. (Acari: Demodicidae): new genus and new species of the hair follicles mite from the Mediterranean water shrew, *Neomys anomalus* (Insectivora: Soricidae). – Folia Parasitologica, **43**: 312–316.
- Bukva V., W. B. Nutting, C. E. Desch. 1992. Description of *Ophthalmodex apodemi* sp. n. (Acari: Demodicidae) from the ocular area of *Apodemus sylvaticus* (Rodentia: Muridae) with notes on pathogenicity. – Int. J. Acarol., **18**: 269–276.

- Bukva V., J. Preisler. 1988. Observations on the morphology of the hair follicle mites (Acari Demodicidae) from *Cervus elaphus* L., 1758 including description of *Demodex acutipes* sp.n. – *Folia parasitol.*, **35**: 67–75.
- Bukva V., J. Vítovec, P. Mouha, J. Váhala. 1984. Demodicosis of an African buffalo (*Syncerus caffer caffer*) in captivity. – *Zbl. Vet. Med.*, **31**: 627–633.
- Bukva V., J. Vítovec, P. Mouha, J. Váhala. 1988. Pathological process induced by *Demodex* sp. (Acari: Demodicidae) in the skin of eland, *Taurotragus oryx* (Pallas). – *Folia parasitologica (Praha)*, **35**(1): 87–91.
- Bukva V., J. Vítovec, V. Schandl. 1985. The first occurrence of bovine demodicosis in Czechoslovakia. – *Veter. Med. (Praha)*, **30**: 515–520.
- Bukva V., J. Vítovec, M. Vlček. 1985. *Demodex rosus* sp. n. (Acari: Demodicidae) parasiting the upper digestive tract of rodents. – *Folia Parasitologica*, **32**: 151–162.
- Candotti P., G. Varisco, G. Barigazzi, E. Foni, A. Ruffo, P. Boni. 1996. Indagine parassitologica sulla popolazione di cinghiale (*Sus scrofa*) dell'Appennino parmense. – *Suppl. alle Ric. di Biologia della Selvaggina*, 24 (Unico): 127–130.
- Canépa E., A. Da Grana. 1941. La presencia del *Demodex folicullorum* Owen en los ganglios linfáticos de perros demodecticos. – *Rev. Fac. Agron. Vet. Univ. Buenos Aires*, **1** (9): 109–114.
- Canestrini G. 1899. Prospetto dell' Acarofauna Ital., Part 8.
- Canestrini G., P. Kramer. 1899. Demodicidae und Sarcoptidae. In: *Tierreich*, 7. Liefg. Berlin: 4–150.
- Cardona J., M. Vargas, S. Perdomo. 2013. Descripción clínica de la demodicosis bovina (*Demodex bovis*) en Córdoba, Colombia. – *Rev. Inv. Vet. Perú*, **24**: 125–129.
- Cardoso M.J.L., S.R.V.S. Franco. 2003. Demodicosis in golden hamster (*Mesocricetus auratus*) – Case in Brasil. – *Ars. Vet.*, **19**: 126–128.
- Carpenter J.W., J.C. Freeny, C.S. Patton. 1972. Occurrence of *Demodex* Owen 1843 on a white-tailed deer from Oklahoma. – *J. Wildl. Dis.*, **8**: 112–114.
- Carter H. B. 1942. A note on the occurrence of the follicle mite (*Demodex* sp.) in Australian sheep. – *Austral. Vet. J.*, **18**: 120–124.
- Cekalovic T.K. 1976. Catalogo de los Arachnida: Scorpiones, Pseudoscorpiones, Opiliones, Acari, Araneae y Solifugae de la XII Region de Chile, Magallanes incluyendo la Antartica Chilena (Chile). – *Gayana, Instituto de Biologia, Zoologia*, 37.
- Chanie M., S. Tadesse, B. Bogale. 2013. Prevalence of bovine Demodicosis in Gondar Zuria District, Amhara Region, Northwest Ethiopia. – *Glob. Vet.*, **11**: 30–35.
- Chapman R.E. 1973. A clinical manifestation in wool of demodectic infestation of sheep. – *Australian Vet. J.*, **18**: 120–124.
- Chee Jeong-Hyun, Kwon Jung-Kee, Ch Ho-Seong, Ch Kyoung-Oh, Lee Yu-Jin, A.M. Abdel-Aty, Shin Sung-Shilk. 2008. Survey of ectoparasite infestations in stray dogs of Gwang – ju city, Republic of Korea. – *Korean Journal of Parasitology*, **46**(1): 23–27.
- Chen G. 199?. Hair follicle mites. 98–102. – In: Chen X. & Ma E. [Eds]. *Researches of acarology in China*. – Chongqing Publishing House, Chongqing [undated], 1–170.

- Chernobayev N. 1928. *Demodex folliculorum* infecting raw material at the tannery of Spassk, Riezan Prov. USSR. – Vestnik Sovrem. Vet., Moskva, (58) **9**: 274–275.
- Chesney C.J. 1999. Short form of *Demodex* species mites in the dog: occurrence and measurements. – J. Small Anim. Pract., **40**: 58–61.
- Chroustová E., J. Willomitzer, V. Mrva. 1974. Occurrence of demodicosis in sheep. – Veterinářství, **24**: 115–116.
- Cierocka K., J.N.Izdebska, L.Rolbiecki. 2019. *Demodex foveolator* (Acariformes: Demodicidae) from *Crocidura suaveolens* (Soricomorpha: Soricidae) – the second observation worldwide, and a checklist of the demodicid mites of soricomorphs. – Ann. Parasitol., **65**: 329–332.
- Conroy J. D., M. C. Healey, A. G. Bane. 1982. New *Demodex* species infesting a cat: A case report. – J. Amer. Anim. Hosp. Ass., **18**: 405–407.
- Cooreman J. 1946. Acariens de l'île de Chypre. (Voyage de M.A. Ball, Octobre – Novembre 1932). – Bull. Mus. Hist. Nat. Belg., **22**(8): 1–14.
- Cram E. B. 1925. Demodectic mange of the goat in the United States. – J. Amer. Vet. Med. Association, **66**: 475–480.
- Crossley J., T. Gorman, H. Alcaino. 1970. Sarna demodécica del vacuno en Chile. – Bol. Chil. Parasitol., **25**: 126–129.
- Csokor J. 1879a. Ueber Haarsackmilben und eine neue Varietät derselben bei Schweinen, *Demodex phylloides*. – Verh. Zool.- Bot. Ges. in Wien, **29**: 419–450.
- Csokor J. 1879b. Die Haarsackmilbe des Schweines. *Demodex phylloides*, eine neue Varietät. – Vierteljahrschrift für Veterinärk., **51**: 133–185.
- Dailey M.D. 1974. *Demodex* in captive sea lions. – Presented at the 5th annual meeting of the Internat. Assoc. for Aquatic Medicine. May 1, Sea World, Orlando, Florida.
- Dailey M.D., W.B. Nutting. 1980. *Demodex zalophi*, sp. nov., (Acari: Demodicidae) from *Zalophus californianus*, the California sea lion. – Acarologia, **21**(3–4): 423–428.
- Daniel M., V. Bozdech, C. Moucka. 1959. Vyskyt trudnika tukoveho (*Demodex, folliculorum* Owen 1843) u lidi a jeho epidemiologie [The occurrence of *Demodex folliculorum* (Owen, 1843) in man and its epidemiology]. – Českoslov. Epidemiol. Microbiol. Immunol., **8**(1): 52–60.
- De Bosschere H., J. Casaer, A. Neukermans, K. Baert, T. Ceulemans, P. Tavernier, S. Roels. 2007. Severe alopecia due to demodicosis in roe deer (*Capreolus capreolus*) in Belgium. – The Veterinary Journal, **174**: 665–668.
- Desch C. E. 1981. A new species of demodicid mite (Acari: Prostigmata) from Western Australia parasitic on *Macroglossus minimus* (Chiroptera: Pteropodidae). – Rec. West. Aust. Mus., **9**: 41–47.
- Desch C. E. 1986. *Demodex aries* sp. n., a sebaceous gland inhabitant of the sheep, *Ovis aries*, and a redescription of the *Demodex ovis* Hirst, 1919. – New Zealand J. Zool., **13**: 367–376.
- Desch C. E. 1987. Redescription of *Demodex nanus* (Acari: Demodicidae) from *Rattus norvegicus* and *R. rattus* (Rodentia). – J. Med. Entomol., **24**: 19–23.

- Desch C. E. 1989. Two new species of *Demodex* (Acari: Demodicidae) from the New Zealand short-tailed bat, *Mystacina tuberculata* Gray, 1843 (Chiroptera: Mystacinidae). – New Zealand J. Zool., **16**: 221–230.
- Desch C. E. 1991. A New Australian species of *Stomatodex* Fain (Acari: Demodicidae) from the oesophagus of *Cercartetus nanus* (Desmarest) (Marsupialia). – J. Aust. Ent. Soc., **30**: 239–241.
- Desch C.E. 1993. A new species of hair follicle mite (Acari: Demodecidae) from the snow leopard, *Panthera uncia* (Schreber, 1775)(.). – Int. J. Acarol., **19**: 63–67.
- Desch C.E. 1994. A new species of *Demodex* Owen, 1843 (Acari: Demodecidae) from the Meibomian glands of the Vampire bat *Desmodus rotundus* (E. Geoffroy, 1810)(Chiroptera: Phyllostomidae: Desmodontinae) from Surinam. – Int. J. Acarology, **20**(1): 39–43. [summary]
- Desch C.E. 1995. A new species of *Demodex* (Acari: Demodecidae) from the black bear of North America, *Ursus americanus* Pallas, 1780 (Ursidae). – Intern. J. of Acarology, **21**: 23–26.
- Desch C.E. 1996. *Demodex nycticeii*: A new species of hair follicle mite (Acari: Demodecidae) from the evening bat, *Nycticeius humeralis* (Chiroptera: Vespertilionidae). – Int. J. of Acarology, **22**(3): 187–191.
- Desch C.E., J.J. Andrews, A. Laurie, A. Baeten, H. Zach, G. Jenny, D.W. Powers, L.R. Ballwebe. 2010. New Records of Hair Follicle Mites (Demodecidae) from North American Cervidae. – Journal of Wildlife Diseases, **46**(2): 585–590.
- Desch C. E., S.T. Bonner. 1999. *Demodex gatoi*: new species of hair follicle mite (Acari: Demodecidae) from the domestic cat (Carnivora: Felidae). – J. med. Entom., **36**(2): 182–185.
- Desch C. E., M. D. Dailey, P. Tuomi. 2003. Description of a hair follicle mite (Acari: Demodecidae) parasitic in the earless seal family Phocidae (Mammalia: Carnivora) from the harbor seal *Phoca vitulina* Linnaeus, 1758. – Internat. J. Acarol., **29**(3): 231–235.
- Desch C. E., S.L. Davis, H. Klompen. 2006. Two new species of *Demodex* Owen, 1843, the hair follicle mites (Demodecidae) from the Dzungarian hamster, *Phodopus sungarus* (Pallas, 1773)(Rodentia: Muridae). – Internat. J. of Acarology, **32**(1): 75–80.
- Desch C. E., A. Hillier. 2003. *Demodex injai*: a new species of hair follicle mite (Acari: Demodecidae) from the domestic dog (Canidae). – Journal of Medical Entomology, **40**(2): 146–149.
- Desch C. E., P.H. Holz. 2006. *Demodex tortellinioides* n.sp. (Acari: Demodecidae) from the agile Antechinus, *Antechinoides agilis* Dickman, Parnaby, Crowther and King, 1998 (Marsupialia: Dasyuridae) in Australia. – Internat. J. Acarol, **32**(1): 81–84.
- Desch C. E., R.J. Hurley. 1997. *Demodex sinocricetuli*: new species of hair follicle mite (Demodecidae) from the Chinese form of striped hamster, *Cricetulus barabensis* (Rodentia: Muridae). – J. of Med. Entomology, **34**(3): 317–320.
- Desch C. E., F. S. Lukoschus, M. Nadchatram. 1984. A new demodicid (Acari: Demodicidae) from the Meibomian glands of Southeast Asian rats (Rodentia: Muridae). – Trop. Biomed., **1**: 55–62.

- Desch C. E., F. S. Lukoschus, M. Nadchatram. 1986. Two new species of *Demodex* (Acari: Demodicidae) from the Meibomian glands of the tropical Old World bat, *Eonycteris spelaea* (Chiroptera). – Int. J. of Acarology, **12**(1): 13–25.
- Desch C. E., R. R. Lebel, W. B. Nutting, F. S. Lukoschus. 1971. Parasitic mites of Surinam I. *Demodex carolliae* n. sp. (Acari: Demodicidae) from the bat *Carollia perspicillata*. – Parasitology, **62**: 303–308.
- Desch C. E., W. B. Nutting. 1969. *Demodex caprae* – structural features of use in demodicid systematics. – 44th Annual Meeting of Am. Soc. Parasitologists, Washington, D.C.
- Desch C. E., W. B. Nutting. 1972. *Demodex folliculorum* (Simon) and *D. brevis* Akbulatova of man: redescription and reevaluation. – J. Parasitol., **58**(1): 169–177.
- Desch C. E., W. B. Nutting. 1973. Demodicids (Trombidiformes: Demodicidae) of medical and veterinary importance. – Proc. 3-rd Internat. Congr. Acarology, Prague 1971: 499–505.
- Desch C. E., W. B. Nutting. 1974. *Demodex odocoilei* sp. nov. from the white-tailed deer, *Odocoileus virginianus*. – Can. J. Zool., **52**(6): 785–789.
- Desch C. E., W. B. Nutting. 1978a. Morphology and functional anatomy of *Demodex folliculorum* (Simon) of man. – Acarologia, **19**(3): 422–462.
- Desch C. E., W. B. Nutting. 1978b. *Demodex canis* redescription and reevaluation. – Cornell Vet., **68**: 139–149.
- Desch C. E., W. B. Nutting. 1979a. Redescription of *Demodex caballi* (= *Demodex folliculorum* var. *equi* Railliet, 1895) from the horse, *Equus caballus*. – Acarologia, **20**: 235–240.
- Desch C. E., W. B. Nutting. 1979b. *Demodex cati* Hirst 1919: a redescription. – Cornell Veterinarian, **69**: 280–285.
- Desch C. E., W. B. Nutting, F. S. Lukoschus. 1972. Parasitic mites of Surinam VII. *Demodex longissimus* n. sp. from *Carollia perspicillata* and *D. molossi* n. sp. from *Molossus molossus* (Demodicidae: Trombidiformes); Meibomian complex inhabitants of neotropical bats (Chiroptera). – Acarologia, **14**(1): 35–53.
- Desch C. E., J. O' Dea, W. B. Nutting. 1970. The proctodeum – a new key character for demodicids (Demodicidae). – Acarologia, **12**(3): 522–526.
- Desch C. E. Jr., F. S. Lukoschus, M. Nadchatram. 1984. A new demodicid (Acari: Demodicidae) from the Meibomian glands of Southeast Asian rats (Rodentia: Muridae). – Tropical Biomedicine, **1**: 55–62.
- Desch C. E. Jr., T.B. Stewart. 1999. *Demodex gatoi*: new species of hair follicle mite (Acari: Demodicidae) from the domestic cat (Carnivora: Felidae). – J. Med. Entomology, **36**(2): 167–170.
- Desch C. E. Jr., T.B. Stewart. 2002. First description of a hair follicle mite from the host order Xenarthra: *Demodex dasypodi* n.sp. (Acari: Demodicidae) from the nine-banded armadillo, *Dasypus novemcinctus* Linnaeus, 1758 (Dasypodidae). – Int. J. of Acarology, **28**(2): 169–174.
- Di Benedetto S.A. 1961. The biology of *Demodex myotidis* sp. nov. (Acarina: Demodicidae) from three species of bats. Master's Thesis, University of Massachusetts Amherst, Amherst, MA, USA.

- Domrow R. 1991. Acari Prostigmata (excluding Trombiculidae) Parasitic on Australian Vertebrates: an Annotated Checklist, Keys and Bibliography. – Invertebr. Taxon., **4**: 1283–1376.
- Domrow R. 1992. Acari Astigmata (excluding Feather Mites) Parasitic on Australian Vertebrates: an Annotated Checklist, Keys and Bibliography. – Invertebr. Taxon., **6**: 1452–1606.
- Dorny P., T. Van Wyngaarden, J. Vercruisse, C. Symoens, A. Jalila. 1994. Survey on the importance of mange in the aethiology of skin lesions in goats in Peninsular Malaysia. – Trop. Anim. Hlth. Prod., **26**: 81–86.
- Dräger N., G. D. Paine. 1980. Demodicosis in African buffalo (*Syncerus cafer cafer*) in Botswana. – J. Wildl. Dis., **16**: 521–524.
- [Drenski P.] Дренски П. 1921. [Notes on the parasitic Acarina in Bulgaria. Preliminary contribution] Бележки върху паразитните акари (Acarina) в България (Предварително съобщение). – Spisanie na BAN, Sofia, **23**(11): 81–84 (in Bulgarian).
- Dubinin V. B. 1957. Acari: Cheyletoidea and Demodicoidea. – Parasitologicheskii Sbornik Zoologicheskogo Instituta Akademii Nauk SSSR, **17**: 71–136 (in Russian).
- Dubinin V.B. 1958. New classification of mites of the super-families Cheyletoidea W.Dub. and Demodicoidea W.Dub. (Acariformes, Trombidiformes). – Parasitol. Sborn. Zool. Inst. Akad. Nauk SSSR Leningrad, **17**: 71–136 (in Russian).
- Dubinina E.V. 1987. Family Demodicidae. : 297–300. In: Soboleva R.G.[Ed.] [Insects and Acari of the Far East of medical and veterinary importance], Nauka, Leningrad: 1–309.
- Dudich E., G. Kolosváry, L. Szalay. 1940. Bars vármegye pókszabású (Arachnoidea-) faunájának alapvetése. – Budapest, 71 p.
- Duzgun O.Y., S. Aytekin. 2007. Comparison of *Demodex folliculorum* density in haemodialysis patients with a control group. – J. of the European Academy of Dermatology and Venereology, **21**(4): 480–483.
- Du Toit R., O. G. H. Fiedler. 1967. Demodicosis in sheep in South Africa. – J. South Afr. Vet. Med. Ass., **38**: 281–282.
- English F.P. 1969. *Demodex*: a cause of blepharitis in Australia. – Med. J. of Australia, **1**: 1359–1360.
- English F.P. 1971a. *Demodex folliculorum* and oedema of the eyelash. – British J. of Ophthalmology, **55**: 742–746.
- English F.P. 1971b. Variant of *Demodex folliculorum* infesting the eyelids. – British J. of Ophthalmology, **55**: 747–749.
- English F.P., T. Iwamoto, R.W. Darrell, A.G. Devoc. 1970. The vector potential of *Demodex folliculorum*. – Arch. Ophthal., **84**: 83–85.
- English F.P., W.R. Nutting. 1981. Demodicosis of ophthalmic concern. – American J. of Ophthalmology, **91**: 362–372.
- Enigk K. 1949. Zur Kenntnis der Demodexräude des Hundes. – Zentralbl. Bacteriol. 1 Abt. Orig., **153**: 76–90.
- Erbağci Z., S. Erkiliç. 2000. Basal cell carcinoma and demodecidosis: Is there an etiologic or coincidental relationship? – Turkish J. of Cancer, **30**(3): 111–118.
- Erbağci Z., O. Ozgöztaşı. 1998. The significance of *Demodex folliculorum* density in rosacea. – Int. J. Dermatol., **37**(6): 421–425.

- Eyndhoven G.L. van. 1965. Note sur quelques Acariens trouvés sur *Sorex araneus* (Mamm., Insectivora). – Annales de Parasitologie, Paris, **40**(1) : 101–103.
- Faccini J.L.H., A.C.G. Santos, G.H. Bechara. 2004. Demodicose bovina no Estado da Paraíba. – Pesq. Vet. Bras., **24**(3): 149–153.
- Fain A. 1959. Deux nouveaux genres d'Acariens vivant dans l'épaisseur des muqueuses nasale et buccale chez un Lémurien (Trombidiformes: Demodicidae). – Bull. Ann. Soc. Roy. Entomol. Belg., **95**(9–10): 263–273.
- Fain A. 1960. Les Acariens psoriques parasites des chauves-souris XIII. La famille Demodicidae Nicolet. – Acarologia, **2**(1): 80–87.
- Fan P., Liu Y., Pan Y., Chen K., Liu H., Zhang J., Li K. 1990. Observations on fine structure and pathogenicity of *Demodex tigris*. – J. Shanghai Agricult. College, **8**(1) : 1–8.
- Faure C.L. 1923. Étude histologique de la peau dans la gale démodécique du chien. – Compt. Rend. Soc. Biol., Paris, **88**(16): 1176–1178.
- Faxon W. 1878. On the presence of *Demodex folliculorum* in the skin of the ox. – Bull. Mus. Comp. Zool., Harvard Coll., Cambridge Mass., **5** (2): 11–18.
- Fehr M., S.Koestlinger. 2011. Ectoparasites in small exotic mammals. – Vet. Clin. Exot. Anim., **16**: 611–657.
- Ferreira D., N. Sastre, I. Ravera, L. Altet, O. Francino, M. Bardagi, L. Ferrer. 2015. Identification of a third feline *Demodex* species through partial sequencing of the 16S rDNA and frequency of *Demodex* species in 74 cats using a PCR assay. – Vet. Dermatol., **26**: 239–246.
- Firda K. E., W. B. Nutting, G. K. Sweatman. 1987. *Demodex bantengi* n. sp. from *Bos javanicus* (D'Alton) with notes on gross pathology (Acari: Demodicidae). – Int. J. Acarology, **13**: 227–231.
- Fisher W. F. 1973. Natural transmission of *Demodex bovis* Stiles in cattle. – J. Parasitol., **59**: 223–224.
- Fisher W. F. 1981. Recent advances in psoroptic acariasis and demodectic mange of domestic animals and sarcoptic scabies of humans. – Int. J. Dermatol., **20**: 585–588.
- Fisher W. F., R. W. Miller, A. L. Everett. 1980. Natural transmission of *Demodex bovis* Stiles to dairy calves. – Veter. Parasitol., **7**: 233–242.
- Fleischer P., D. Lukešová, M. Skřivánek, B. Hofírek, I. Štursa. 1996. První nálezy demodikózy koz v České Republice. – Vet. Med. (Praha), **41**: 289–293.
- Forrester D.J., M.G. Spalding, J.B. Woodling. 1993. Demodicosis in black bears (*Ursus americanus*) from Florida. – J. of Wildlife Diseases, **29**(1): 136–138.
- Forton F., B. Seys. 1993. Density of *Demodex folliculorum* in rosacea: a case-control study using standartized skin-surface biopsy. – Br. J. Dermatol., **128**(6): 650–659.
- Foster G. W., T.A. Cames, D.J. Forrester. 1998. Geographical distribution of *Demodex ursi* in black bears from Florida. – J. Wildlife Diseases, **34**(1): 161–164.
- Freire A.A., V.S. Dias. 1947. Elementos para o estudo das dermatoses bovinas de Angola. *Demodex bovis* (Stiles, 1892). – An. Serv. Vet. Ind. An. Col. Angola, **1**: 247–258.
- French F. E. 1962. Biology and morphology of *Demodex canis*. – Iowa state Univ., Thesis, Dissert. Abstrs., **23**(9): 3556–3557.

- French F. E. 1963. Two larval stadia of *Demodex canis* Leydig (Acarina: Trombidiformes). – *Acarologia*, **5**(1): 34–38.
- French F. E. 1964. *Demodex canis* in canine tissues. – *The Cornell Vet.*, **54**(2): 271–290.
- French F., E. S. Raun, D. L. Baker. 1964. Transmission of *Demodex canis* Leydig to pups. – *Iowa State J. Sci.*, **38**: 291–298.
- Friedberger 1876. Ueber den Haarsackmilben – Ausschlag der Hunde. – *Arch. Wiss. Prakt. Tierheilk.* 1876 : 22–25.
- Fryderyk S., J.N. Izdebska. *Demodex phylloides* (Acari, Demodecidae) as a specific parasite of *Sus scrofa* (Mammalia, Artiodactyla). – *Wiadom. Parazytol.*, **47**(4): 797–800.
- Fuss F. 1933. La vie parasitaire du *Demodex folliculorum hominis*. – *Ann. Dermatol. Syphilol.*, **4**: 1053–1062.
- Fuss F. 1935. Le cycle evolutif du *Demodex folliculorum hominis* vu par la microphotographie. – *Ann. Dermatol. Syphilol.*, **6** : 326–331.
- Fuss F. 1937. Nouvelle contribution à l'étude du *Demodex folliculorum hominis*; sexe et reproduction. – *Ann. Dermatol. Syphilol.*, **8**: 224–229.
- Fuss F. 1946. Sur la vie et les mœurs d'un Acarien parasite habituel de la peau humaine : *Demodex folliculorum hominis*. – *Bull. Soc. Nat. Belges Bruxelles*, **27**(3–4) : 44–47.
- Gabaj M.M., W.N. Beesley, M.A. Awan. 1992. A survey of mites on farm animals in Libya. – *Ann. Trop. Med. Parasitol.*, **86**(5): 537–542.
- Gaiger S.H. 1908. *Demodex ovis*. – *J. of Tropical Veterinary Science*, **3**: 173 – 174.
- Gearhart M. S., J. W. Crissman, M. E. Georgi. 1981. Bilateral lower palpebral demodicosis in a dairy cow. – *Cornel Vet.*, **71**: 305–310.
- Gentes M.L., H. Proctor, G. Wobeser. 2007. Demodicosis in a Mule Deer (*Odocoileus hemionus hemionus*) from Saskatchewan, Canada. – *J. of Wildlife Diseases*, **43**: 758–761.
- George J.B., S. Otobo, J. Ogunleye, B. Adediminyi. 1992. Louse and mite infestation in domestic animals in northern Nigeria. – *Tropical animal health and production*, **24**(2): 121–124.
- Gmeiner F. 1908. *Demodex folliculorum* des Menschen und der Tiere. – *Arch. Dermat. Syph.*, **92** (3) : 25–96.
- Gmeiner F. 1909. Die Acarus – Räude der Tiere. – *Zs. Tiermed.*, Jena, **13**: 1–32, 81–108.
- Govyryn, V. A., 1955, Demodecosis in dogs. – *Sborn. Nauch. Trudov Leningrad. Inst. Uoversh. Vet. Vrach.*, Moskva and Leningrad, (10): 27–31.
- Gowing G. M. 1964. Advanced demodectid dermatitis in 4-day-old Dachshund puppies. – *Mod. Vet. Pract.*, **45** (13): 70.
- Graubmann H.D., W. Schulz. 1968. Ein Beitrag zur Histopathologie der Demodikose beim Rind. – *Arch. Exp. Veter.-Med.*, **22**: 831–836.
- Griffiths J.A. 1945. Demodectic mange of domestic animals in Nyassaland. – *J. Comp. Path. Therap.*, **28**: 61–66.
- Greve J. H., S. M. Gaafar. 1966. Natural transmission of *Demodex canis* in dogs. – *J. Amer. Veter. Med. Assoc.*, **148**: 1043–1045.
- Guerra Y., J.D. Mencho, J.G. Rodríguez Diego, E. Marín, J.L. Olivares. 2010. *Demodex* spp. en perros con demodicosis, en una región de Cuba. – *Rev. Salud Anim.*, **32**: 37–42.

- Guiart J. 1902. La frequence du *Demodex* chez l'homme. – Bull. Soc. Zool. de France, **27**: 128–130.
- Gurianova M. P., A. E. Dulebov. 1952. Something new on demodicosis in dogs and its treatment. – Veterinariya (Moskva), **29**(10): 29–32 (In Russian).
- Haitlinger R., A. Jankowska. 2005. Arthropods occurring on *Rattus norvegicus* (Berkenhout, 1769)(Rodentia: Muridae) in Poland. – Zeszyty naukowe Akademii rolniczej we Wroclawiu, Zootechnika LIII, **529**: 35–44.
- Hallas Th.E. 1978. Fortegnelse over Danske Mider (Acari). – Ent. Meddr., **46**: 27–45.
- Haller G. 1882. Beitrag zur Kenntniss der Milbenfauna Württembergs. – Jh. Ver. Vaterl. Naturk. Württemberg, **38**: 293–232.
- Hamir A.N., D.E. Snyder, C.A. Hanlon, C.E. Rupprecht. 1993. First report of a *Demodex* sp. in raccoons (*Procyon lotor*). – J. Wildlife Dis., **29**(1): 139–141.
- Harvey R.G. 1990. *Demodex cuniculi* in dwarf rabbits (*Oryctolagus cuniculus*). – J. Small Anim. Pract., **31**(4): 204–207.
- Heath R. 1967. Demodectic mange in dogs – a correction. – Australian Vet. J., **43**: 196.
- Hickey T.E. et al. 1983. Demodectic mange in a Tamarin (*Saguinus geoffroyi*). – Lab. Anim. Sci., **33**: 192–193..
- Hill F.I., P.B. McKenna, C.H. Mirams. 2008. *Demodex* spp. Infestation and suspected demodicosis of alpacas (*Vicugna pacos*) in New Zealand. – New Zealand Vet. Journal, **56**(3): 148.
- Hill L.R., P.S. Kille, D.A. Weiss, T.M. Craig, L.G. Coghlan. 1999. *Demodex musculi* in the skin of transgenic mice. – Contemp. Top. Lab. Anim. Sci., **38**(6): 13–18.
- Hillier A., C.E. Desch. 1997. A new species of *Demodex* mite in the dog: a case report. – In: Thirteenth Proc., Annual Members Meeting of Amer. Acad. Veterin. Dermatology and Amer. College Vet. Dermatology: 118–119.
- Hillier A., C.E. Desch. 2002. Large-bodied *Demodex* mite infestation in 4 dogs. – Journal of the American Veterinary Medical Association, **220**(5): 623–627.
- Himonas C. A., J. T. Theodorides, A. E. Alexakis. 1975. Demodectic mites in eyelids of domestic animals of Greece. – J. Parasitol., **61**(4): 767.
- Hirst S. 1917a. Remarks on certain species of the genus *Demodex* Owen (the *Demodex* of man, the horse, dog, rat and mouse). – Ann. Mag. Nat. Hist., **8** (20): 232–235.
- Hirst S. 1917b. On three new parasitic Acari. – Ann. Mag. Nat. Hist., **20**: 431–434.
- Hirst S. 1918. On four new species of the genus *Demodex*. – Ann. Mag. Nat. Hist., ser. 9, **2**(8): 145–146.
- Hirst S. 1919. Studies on Acari. No 1. The genus *Demodex*, Owen. Frequency of occurrence and effects of parasitism. List of the species and varieties of the genus *Demodex* with their hosts and known distribution. – Brit. Mus. Nat. Hist., London, 44 p.
- Hirst S. 1921a. On some new or little known Acari, mostly parasitic in habit. – Proc. Zool. Soc. London: 357–378.
- Hirst S. 1921b. On three new parasitic mites (*Leptus*, *Schöngastia*, and *Demodex*). – Ann. Mag. Nat. Hist., Ninth Ser., **7**: 37–39.
- Hirst S. 1922. Mites injurious to domestic animals. – British Mus. Nat. Hist., **13**: 1–107.

- Hirst S. 1923. On some new or little known Acari. – Proc. Zool. Soc. London, **4**: 971–1000.
- Hoffmann G. 1989. Größenunterscheide bei *Demodex bovis* (Acari). – Angew. Parasitol., **30**(2): 141–143.
- Hoffmann A., I. B. de Barrera, C. Méndes. 1972. Nuevos hallazgos de acaros en Mexico. – Rev. de la Sociedad Mexicana de Historia Natural, **33**: 151–159.
- Holz P.H. 1998. Nodules caused by demodex-like mites in the skin of tiger quolls (*Dasyurus maculatus*). – Australian Vet. J., **76**(1): 59–60.
- Hoffman A., I.B. de Barrera, C. Mendez. 1972. Nuevos hallazgos de Acaros en Mexico. Rev. Soc. Mexicana de Historia Natural, **33**: 151–159.
- Hughes S.E., Wm. B. Nutting. 1981. *Demodex leucogasteri* n.sp. from *Onychomys leucogaster* – with notes on its biology and host pathogenesis. – Acarologia, **22**(2): 181–186.
- Hurley R.J., C. E. Desch. 1994. *Demodex cricetuli*: new species of hair follicle mite (Acari: Demodecidae) from the Armenian hamster, *Cricetulus migratorius* (Rodentia: Cricetidae). – J. Med. Entomol., **31**(4): 529–533.
- Iliev P.T., G. Zhelev, A. Ivanov, P. Prelezov. 2019. *Demodex cati* and feline immunodeficiency virus co-infection in a cat. – Bulg. J. Vet. Med., **22**: 237–242.
- Imes M. 1935. Cattle scab and methods of control and eradication. – Farmers' Bulletin No 1017, U.S. Department of Agriculture, 29 pp.
- Isaichikov I. M. 1928. *Acarus (Demodex) folliculorum* als ursache einer massenhaften Schidigung der Felle des Rindes. – Prakt. Vet., Moskva (10): 47–54.
- Isaichikov I. M. 1929. Present status of the question on control of *Demodex folliculorum* in domestic animals. – Vestnik Sovrem. Vet., Moskva, (82) **5** (9): 219–221.
- Izdebska J.N. 2000. *Demodex* spp. (Acari, Demodecidae) in *Mus musculus* from Poland. – Wiad. Parazytol., **46**: 277–280.
- Izdebska J.N. 2001a. European bison arthropod from closed Polish breeding facilities. – Acta Parasitol., **46**: 135–137.
- Izdebska J.N. 2001b. The occurence of of parasitic arthropods in two groups of European bison in the Białowieża Primeval Forest. – Wiad. Parazytol., **47**: 801–804.
- Izdebska J.N. 2002. Demodecidae (Acari: Actinedida): the current status and perspectives of research in Poland. In: Ignatowicz S. (Ed.), Postepy polskiej akarologii [Progress of Polish acarology], Ed. SGGW, Warszawa: 215–223.
- Izdebska J.N. 2004a. Species of Demodecidae (Acari, Actinedida), new for the fauna of Poland, in common shrew (*Sorex araneus* L.). – Zoologica Poloniae, **49**(1–4): 47–51.
- Izdebska J.N. 2004b. *Demodex* spp. (Acari: Demodecidae) in brown rat (Rodentia: Muridae) in Poland. – Wiad. Parazytol., **50**(2): 333–335.
- Izdebska J.N. 2004c. Nużenie ludzkie *Demodex brevis* i *D. folliculorum*. In: Arthropoda. A survey of forms and interactions. (Ed. A. Buczek, C. Blaszkak. Wydawnictwo Koliber, Lublin: 173–181.
- Izdebska J.N. 2005. Demodectic mites (Acari, Actinedida) in carnivorous mammals (Mammalia, Carnivora) of Poland. In: Arthropoda. A survey of forms and interactions. (Ed. A. Buczek, C. Blaszkak). Wydawnictwo Koliber, Lublin: 121–125.

- Izdebska J.N. 2006a. Adaptation to parasitism in skin mites from the Demodecidae family (Acari, Prostigmata). In: Arthropods. Epidemiological importance. In: A. Buczek, C. Błaszak (Eds.), Wyd. Kliber, Lublin 2006: 31–36.
- Izdebska J.N. 2006b. Skin mites (Acari: Demodecidae, Psoroptidae, and Sarcoptidae) of the European bison, *Bison bonasus*. – Biological Lett., **43**(2): 169–174.
- Izdebska J.N. 2006c. Symptomless Skin Mite Infestation of Horses in Northern Poland. In: Gabryś G., S. Ignatowicz (Eds.); Advances in Polish Acarology; SGGW: Warszawa, Poland: 123–127.
- Izdebska J.N. 2007a. Roztocze skórne (Acari: Demodecidae, Psoroptidae, Sarcoptidae) żubra na tle akarofauny ssaków kopytnych – problemy specyficzności żywicielskiej i tropicznej. In: W. Olech (ed.) Rola hodowli ex situ w procesie restytucji żubra. Praca zbiorowa, Gołuchów: 22–27.
- Izdebska J.N. 2007b. Demodecidae (Acari, Prostigmata) u gryzoni w Polsce. – Wiad. Parazytol., **53**(supp.): 143.
- Izdebska J.N. 2008. Nużeńcowate (Demodecidae) In: Fauna Polski – charakterystyka i wykaz gatunków (Red. W. Bogdanowicz, E. Chudzicka, I. Pilipuk, E. Skibińska). Museum i Instytut Zoologii PAN, Warszawa, **3**: 128–130, 200–201.
- Izdebska J.N. 2009. Selected aspects of adaptations to the parasitism of hair follicle mites (Acari: Demodecidae) from hoofed mammals. – European Bison Conservation Newsletter, **2**: 80–88.
- Izdebska J.N. 2010a. New data of demodecosis hominis – Etiology, pathogenesis and diagnosis. In: Buczek, A., Błaszak, C. (Eds). Arthropods, Ecological and Pathological Aspects of Parasite-Host Relationships. Akapit, Lublin, Poland, 137–145.
- Izdebska J.N. 2010b. *Demodex* ssp. (Acari, Demodecidae) and demodecosis in dogs: Characteristics, symptoms, occurrence. – Bull. Vet. Inst. Pulawy, **54**: 335–338.
- Izdebska J.N. 2012. A new Demodecidae species (Acari) from the yellow-necked mouse *Apodemus flavicollis* (Rodentia, Muridae) – description with data on parasitism. – Parasitol. Res., **98**(6):1101–1104.
- Izdebska J.N., K.Cierocka, L. Rolbiecki, P.Kozina, M.Kolodziej-Sobocińska. 2018. *Demodex melesinus* (Acariformes: Demodecidae) – the forgotten European badger parasite, rediscovered after 100 years. – Acta Parasitologica, **63**: 665–668.
- Izdebska J.N., K. Cydzik. 2010. Occurrence of *Demodex* spp. (Acari, Demodecidae) in the striped field mouse *Apodemus agrarius* (Rodentia, Muridae) in Poland. – Wiad. Parazytol., **56**(1): 59–61.
- Izdebska J.N., S. Fryderik. 2000. *Demodex* spp. (Acari, Demodecidae) in wild Artiodactyla in Poland. – Abstr. of 8th European Multicollloquium of Parasitology. Acta Parasitologica, **45**(3): 163–164.
- Izdebska J.N., S. Fryderyk. 2002. Zmienność morfologiczna *Demodex phylloides* (Acari, Demodecidae) u dzika (*Sus scrofa*). In: Stawonogi w medycynie. (A. Buczek, C. Błaszak Eds.), Wyd. Liber Lublin: 25–34.
- Izdebska J.N., S. Fryderyk. 2011. Diversity of three species of the genus *Demodex* (Acari, Demodecidae) parasitizing dogs in Poland. – Pol. J. Environ. Stud., **20**: 565–569.

- Izdebska J.N., S. Fryderyk. 2012a. New data on the occurrence of *Demodex lacrimalis* (Acari, Demodecidae) of the wood mouse *Apodemus sylvaticus* (Rodentia, Muridae). – Annales UMCS, sectio C, Biologia, **67**(1): 7–11.
- Izdebska J.N., S. Fryderyk. 2012b. *Demodex acutipes* Bukva & Preisler, 1988 (Acari, Demodecidae) – a rare parasite of red deer (*Cervus elaphus* L.). – Annals of Parasitology, **58**(1): 161–166.
- Izdebska J.N., S. Fryderyk, L. Rolbiecki. 2016. *Demodex castoris* sp. nov. (Acari: Demodecidae) parasitizing *Castor fiber* (Rodentia), and other parasitic arthropods associated with *Castor* spp. – Dis. Aquat. Org., **118**: 1–10.
- Izdebska J.N., Z. Jankowski. 2006. *Demodex brevis* and *D. folliculorum* (Actiniedida, Demodecidae): Specific human parasites. A comparative study of the effectiveness of diagnostic methods involving autopsy. In: Gabryś G., Ignatowicz S., Eds. Advances in Polish Acarology, SGGW: Warszawa, Poland: 128–136.
- Izdebska J.N., P. Kozina, S. Fryderyk. 2013. The occurrence of *Demodex* spp. (Acari: Demodecidae) in bank vole *Myodes glareolus* (Rodentia, Cricetidae) with data on its topographical preferences. – Ann. Parasitol., **59**: 129–133.
- Izdebska J.N., P. Kozina, A. Gólc. 2013. The occurrence of *Demodex* spp. (Acari, Demodecidae) in bank vole *Myodes glareolus* (Rodentia, Cricetidae) with data on its topographical preferences. – Ann. Parasitol., **59**: 129–133.
- Izdebska J.N., M. Krawczyk. 2012. Skin mites of mammals – the occurrence, significance and research prospects in Poland. (In:) Arthropods. The medical and economic importance. A. Buczek, C. Błaszak (eds.). Akapit, Lublin: 123–131.
- Izdebska J.N., L. Rolbiecki. 2002. Parasites on the squirrel (*Sciurus vulgaris* L.) from the region of Gdańsk, Northern Poland. In: Program a zbornik abstraktum. 5. slovenské a české parazitologické dni. 28–31.05.2002: 59.
- Izdebska J.N., L. Rolbiecki. 2003. New data on parasites of mole *Talpa europaea* (Mammalia, Insectivora) in northern Poland. – Wiad. Parazytol., **49**: 97–98.
- Izdebska J.N., L. Rolbiecki. 2004. The presence of *Demodex* spp. in correlation with helminth infestation level in the brown rat *Rattus norvegicus* (Berk.) of the Tri-City urban agglomeration. – In: (Indykiewicz P., Barczak T., Eds) Urban fauna in Central Europe in the 21st century. LOGO, Bydgoszcz: 581–584.
- Izdebska J.N., L. Rolbiecki. 2006. Correlation between the occurrence of mites (*Demodex* spp.) and nematodes in house mice (*Mus musculus* Linnaeus, 1758) in the Gdańsk urban agglomeration. – Biological Lett., **43**(2): 175–178.
- Izdebska J.N., L. Rolbiecki. 2012a. Topical structure and topography of *Demodex* spp. (Acari Demodecidae), in brown rat *Rattus norvegicus* (Rodentia, Muridae). (In:) Arthropods. The medical and economic importance. A. Buczek, C. Błaszak (eds.). Akapit, Lublin: 133–141.
- Izdebska J.N., L. Rolbiecki. 2012b. Demodectic mites of the brown rat *Rattus norvegicus* (Berkenhout, 1769) (Rodentia, Muridae) with a new finding of *Demodex ratticola* Bukva, 1995 (Acari, Demodecidae). – Annals of Parasitology, **58**: 71–74.

- Izdebska J.N., L. Rolbiecki. 2012c. Topical structure and topography of *Demodex* spp. (Acari: Demodecidae), in brown rat *Rattus norvegicus* (Rodentia, Muridae). In: Arthropods. The Medical and Economic Importance; A. Buczek, A. Blaszk (Eds.); Akapit: Lublin, Poland: 133–141.
- Izdebska J.N., L. Rolbiecki. 2013a. *Demodex microti* n. sp. (Acari: Demodecidae) in *Microtus arvalis* (Pallas)(Rodentia, Cricetidae) with a checklist of the demodectic mites of cricetids. – Syst. Parasitol., **86**: 187–196.
- Izdebska J.N., L. Rolbiecki. 2013b. A new species of *Demodex* (Acari, Demodecidae) with data on topical specificity and topography of demodectic mites in the striped field mouse *Apodemus agrarius* (Rodentia, Muridae). – J. Med. Entomol., **50**: 1202–1207.
- Izdebska J.N., L. Rolbiecki. 2014a. *Demodex lutrae* n.sp. (Acari) in European otter *Lutra lutra* (Carnivora: Mustelidae) with data from other demodecid mites in carnivores. – J. Parasitol., **100**: 784–789.
- Izdebska J.N., L. Rolbiecki. 2014b. New species of *Demodex* (Acari: Demodecidae) with data on parasitism and occurrence of other demodecids of *Rattus norvegicus* (Rodentia: Muridae). – Annales of the Entomological Soc. of America, **107**(4): 740
- Izdebska J.N., L. Rolbiecki. 2015a. A new species of the genus *Demodex* Owen, 1843 (Acari: Demodecidae) from the ear canals of the house mouse *Mus musculus* L. (Acari: Demodecidae). – Syst. Parasitol., **91**: 167–173.
- Izdebska J.N., L. Rolbiecki. 2015b. Two new species of *Demodex* (Acari: Demodecidae) with a redescription of *Demodex musculi* and data on parasitism in *Mus musculus* (Rodentia: Muridae). – J. Med. Entomol., **52**: 604–613.
- Izdebska J.N., L. Rolbiecki. 2016. A new genus and species of demodecid mites from the tongue of a house mouse *Mus musculus*: Description of adult and immature stages with data on parasitism. – Med. Vet. Entomol., **30**: 135–143.
- Izdebska J.N., L. Rolbiecki. 2018. The status of *Demodex cornei*: Description of the species and developmental stages, and data on demodecid mites in the domestic dog *Canis lupus familiaris*. – Med. Vet. Entomol., **32**: 346–357.
- Izdebska J.N., L. Rolbiecki. 2020. The Biodiversity of Demodecid Mites (Acariformes: Prostigmata), specific parasites of Mammals with a global checklist and a new finding for *Demodex sciurinus*. – Diversity, **12**, 261: 1–38.
- Izdebska J.N., L. Rolbiecki, L. Cierocka, I. Pawliczka. 2020. *Demodex phocidi* (Acariformes: Demodecidae) from *Phoca vitulina* (Carnivora: Phocidae) – The second observation in the world and a supplement to the species description. – Oceanol. Hydrobiol. St., **49**: 49–55.
- Izdebska J.N., L. Rolbiecki, S.Fryderyk. 2011. New data on *Demodex huttereri* Mertens, Lukoschus et Nutting. 1983 and topical specificity and topography of demodectic mites in striped field mouse *Apodemus agrarius*. – Wiad. Parazytol., **57**: 261–264.
- Izdebska J.N., L. Rolbiecki, S.Fryderyk. 2014. *Demodex auricularis* sp. nov. (Acari: Demodecidae) from the ear canal of the European wood mouse *Apodemus sylvaticus* (Rodentia: Muridae). – Int. J. Acarol., **40**: 214–219.

- Izdebska J.N., L. Rolbiecki, S.Fryderyk. 2016. A new species of *Demodex* (Acari: Demodecidae) from the skin of the vibrissal area of the house mouse *Mus musculus* (Rodentia: Muridae), with data on parasitism. – Syst. Appl. Acarol., **21**: 1031–1039.
- Izdebska J.N., L. Rolbiecki, S.Fryderyk, L. Mierzyński. 2017. Adult and immature stages of the new species of the genus *Demodex* (Acariformes: Demodecidae) with data on parasitism, topography, and topical specificity of demodectic mites in the yellow-necked mouse, *Apodemus flavicollis* (Rodentia: Muridae). – J. Parasitol., **103**: 320–329.
- Izdebska J.N., L. Rolbiecki, L. Mierzyński, K. Bidziński. 2018. Demodectid mites (Acariformes, Demodecidae) in brown long-eared bat *Plecotus auritus* (Chiroptera, Vespertilionidae) – Second record in the world and systematic status of *Demodex chiropteralis* Hirst, 1921. – Ann. Parasitol., **64**: 109–113.
- Izdebska J.N., L. Rolbiecki, L. Mierzyński, K. Bidziński. 2019a. Morphological and ontogenetic characteristics of *Demodex plecoti* sp.nov. (Acariformes: Demodecidae) from the brown long-eared bat *Plecotus auritus* (Chiroptera: Vespertilionidae), with comments on parasitism. – Syst. and Applied Acarology, **24**(3): 377–388.
- Izdebska J.N., L. Rolbiecki, S. Morand, A.Ribas. 2017. A new species and new host record of Demodecidae (Acariformes: Prostigmata) associated with the bandicoot rat (Rodentia: Muridae) from Lao PDR with data on parasitism and a checklist of the demodecid mites of rodents. – Syst. and Applied Acarology, **22**(11): 1910–1923.
- Jablonowski J. 1918. Ordo Acarina. – In: Fauna Regni Hungariae, Budapest: 2–5.
- Jacques C.N., J.A. Jenks, M.B. Hildreth, R.J. Schauer, D.D. Johnson. 2001. Demodicosis in a white-tailed deer (*Odocoileus virginianus*) in South Dakota. – Prairie Naturalist, **33**: 221–226.
- James S. B., B.L. Raphael. 2000. Demodicosis in red-handed tamarins (*Saguinus midas*). – J. of Zoo and Wildlife Medicine, **31**(2): 251–254.
- Jańczak D., A. Ruszczak, I. Kaszak, E. Gołąb, K. Barszcz. 2017. Clinical aspects of demodicosis in veterinary and humane medicine. – Med. Weter., **73**: 265–271.
- Jekl V., K. Hauptman, E. Jeklova, Z. Knotek. 2006. Demodicosis in nine prairie dogs (*Cynomys ludovicianus*). – Vet. Dermatology, **17**(4): 280–283.[summary]
- Jimenez I.A., M.R. Odom, S.A. Childs-Sanford, A. Lucio-Forster, D.D. Bowman. 2020. *Lynxacarus* and *Demodex* infestation in a captive jaguar (*Panthera onca*) in La Democracia, Belize. – Vet. Rec. Case Rep., **8**: e001037.
- Kadlec V. 1975. *Demodex suis*. – Vet. Med., **20**: 441–443.
- Kadlec V., J. Kubelka. 1974. Demodicosis in sheep. – Veter. Med. (Praha), **19**: 249–254 (In Czech).
- Kadulski S. 1978. Ectoparasites of the boar *Sus scrofa* L. in Poland. In: Proc. Of the Fourth Intern. Congress of Parasitology, A Conference of the World Fed. Of Parasitologists, Warszawa, Poland, August 1978: 211–212.
- Kadulski S. 1996a. Ectoparasites of Cervidae in north-east Poland. – Acta parasitologica, **41**(4): 204–210.

- Kadulski S. 1996b. Further studies on parasitic arthropods of elk *Alces alces* from Poland. – *Wiadomosci Parazytol.*, **42**(3): 349–355.
- Kadulski S., J.N. Izdebska. 1996. *Demodex bisonianus* sp. nov. (Acari: Demodicidae) a new parasite of the bison (*Bison bonasus* L.). – *Wiadomosci Parazytol.*, **42**(1): 103–110.
- Kadulski S., J.N. Izdebska, M. Konczyk. 1996. Parasitic Arthropods of *Bison bonasus* from Bialowieza Primeval Forest. – *Wiadomosci Parazytol.*, **42**(2): 255–260.
- Kadulski S., B. Szczurek. 2004. Ectoparasites on fallow deer, *Dama dama* (L.) in Pomerania, Poland. – *Acta Parasitol.*, **49**: 80–86.
- Karaer Z., A. Kurtdede, K. Ural, B. Sari, C.C. Cingi, M.C. Karakurum, A.E. Haydardedeoğlu. 2009. Demodicosis in a golden (Syrian) hamster (*Mesocricetus auratus*). – *Ankara Üniversitesi Veteriner Fakültesi Dergisi*, **56**: 227–229.
- Karjala Z., C. E. Desch, M. F. Starost. 2005. First description of a new species of *Demodex* (Acari: Demodicidae) from Rhesus monkey. – *J. Med. Entomology*, **42**(6): 948–952.
- Kennedy M.J. 2001. Mange in cattle: Demodectic mange. – *Agri-Facts*, **4**: 1–2.
- Kenney D. 1969. *Demodex* sp. isolated from cutaneous lesions in a sub-adult California sea lion. – Presented at the 6th Annual Conference on Biological Sonar and diving mammals. Feb. 8. Stanford Research Institute, Palo Alto, California.
- Kirk H. 1949. Demodectic mange. – *Vet. Rec.*, **61**: 394.
- Kirkwood A., S. B. Kendall. 1966. Demodectic mange in cattle. – *Vet. Rec.*, **78**: 33–34.
- Klinski Yu. D. 1956. Demodicosis of sheep. – *Byull. Nauchnotekhn. Inform.*, **1**: 16–17 (In Russian).
- Klinski Yu. D. 1957. Distribution, diagnostics and pathomorphology of demodicosis of sheep. – *Trudy vsesoyuz. Nauchnoissled. Inst. Veter. Sanit. Ektoparazit.*, **12**: 3–13 (In Russ.).
- Klinski Yu. D. 1959. Materials on morphology and biology of *Demodex ovis* mites. – *Trudy vsesoyuz. Nauchnoissled. Inst. Veter. Sanit. Ektoparazit.*, **15**: 38–45. (In Russ.).
- Kniest F. M., F. S. Lukoschus. 1981. Parasites of Western Australia XIII. A new species of demodicid mite from the Meibomian glands of the bat *Macroglossus minimus*. – *Rec. West. Aust. Mus.*, **9**: 111–118.
- Kolev G. 1958. Ein Fall von Demodicose beim Pferd in Bulgarien. – *Tr. Sci. Inst. Sup. Med. Vet. Sofia*, **5**: 299–304 (Bulg., summ. Russ., Germ.).
- Koutz F. R. 1953. *Demodex folliculorum* studies: II. Comparison of various diagnostic methods. – *Speculum (Ohio State Univ.)*, **6**: 8–9, 23, 26, 44.
- Koutz F. R. 1954. *Demodex folliculorum* studies: III. A survey of clinical cases in dogs. – *J. Am. Vet. Med. Assoc.*, **124**: 131–133.
- Koutz F. R. 1955a. *Demodex folliculorum* studies: IV. Treatment methods. – *North Am. Vet.*, **36**: 129–131.
- Koutz F. R. 1955b. *Demodex folliculorum* studies: V. Demodectic mange in cattle. – *Vet. Med. Chicago*, **50**: 305–306.
- Koutz F. R. 1957a. *Demodex folliculorum* studies: VI. The internal phase of canine demodectic mange. – *J. Amer. Vet. Med. Assoc.*, **131**: 45–48.

- Koutz F. R. 1957b. *Demodex folliculorum* studies. VII. The evaluation of systematic drugs in the treatment of demodectic mange in dogs. – *Speculum*, **11**(1): 39–42.
- Koutz F. R., H.F. Groves, C.M. Gee. 1960. A survey of *Demodex canis* in the skin of clinically normal dogs. – *Vet. Med.*, **55**: 52–53.
- Krawiec D.R., S.M. Gaafar. 1974. Scanning electron micrography of *Demodex canis* Leydig 1859. – *Acarologia*, **16**(4): 671–676.
- Krotova M.B. 1957. The character of the pathological process in bovine demodicosis and its effect on leather quality. – *Tr. Vsesoyuz. Nauch.-issled. Inst. Vet. Sanit. Ektoparazit.*, **12**: 14–27.
- Kuscher A. 1940. Raubmilben beim Hund. – *Wein Tierarztl. Monatschr.*, **27**(1): 10–16.
- Kutzer D., W. Grünberg. 1972. Demodikose bei Rothirsch (*Cervus elaphus*). – *Zeitschr. f. Parasitenkunde*, **40**: 9–17.
- Lagrain, Régulato. 1903. Rareté des gales sarcoptique et démectique en Algérie. Sur une épidémie de gale démectique du Porc. – *Arch. Parasitol.*, Paris, **7**(3) : 370–372.
- Lamb K.P. 1952. A preliminary list of New Zealand Acarina. – *Trans. of the Royal Soc. of New Zealand*, **79**(3–4): 370–375.
- Larinov S. V. 1980. On morphology and biology of demodectic mites. – *Tr. Vsesoyuz. Nauch.-issled. Inst. Veter. Sanit.*, 1980: 138–147 (In Russian).
- Lawrence H. 1921. The pathogenicity of the *Demodex* (Owen) in the human being. – *Med. J. Australia*, year 8, 2, 3: 39–40.
- Lebel R.R. 1970. *Demodex saimiri* sp. nov. and *Demodex sciurei* sp. nov. ectoparasites of the squirrel monkey, *Saimiri sciureus*, with notes on demodicids from other subhuman primates. Master's Thesis, Univ. of Massachusetts, Amherst, MA, USA.
- Lebel R., C. Desch. 1979. Karyotype and anomalous development in *Demodex caprae*. – In: *Proc. 4th Intl. Congress Acarol.* E. Pifl ed.: 525–529.
- Lebel R. R., W. B. Nutting. 1973a. Demodectic mites of subhuman primates I: *Demodex saimiri* sp.n. (Acari: Demodicidae) from the squirrel monkey, *Saimiri sciureus*. – *J. Parasitol.*, **59**(4): 719–722.
- Lebel R. R., W. B. Nutting. 1973b. Population dynamics of a parasitic mite *Demodex caprae* (Trombidiformes: Demodicidae). – *Proc. 3-rd Int'l Congress Acarology*, Prague, 1971: 517–521.
- Legrain, Régulato. 1903. Rareté des gales sarcoptique et démectique en Algérie. Sur une épidémie de gale démectique du porc. – *Arch. Parasit.*, **7**: 370–372.
- Leydig F. 1859. Über Haarsackmilben und Krätzmilben. – *Archiv für Naturgeschichte*, **25**: 338–354.
- Lin Weiming, Wang Mingshuang, Hong Hua et al. 2000. A Mite of *Demodex* Parasitized in Chinese Hamster. – *Chinese J. of Laboratory Animal Science*, **2**.
- Liu Hui-ming. 2007. Review of human demodicosis. – *Chinese J. of Pest Control*, (3): 3.
- Löwenstein C., W. Beck, K. Bessmann, R.S. Mueller. 2005. Feline demodicosis caused by concurrent infestation with *Demodex cati* and an unnamed species of mite. – *Vet. Rec.*, **157**(10): 290–292.

- Lombardini G. 1942. Contributo alla conoscenza della morfologia dei Demodicidae. Chiave analitica del genere "*Demodex*" Owen. – Redia, **28**: 89–102.
- Lombert H. A. P. M., F. S. Lukoschus, J. O. Whitaker, Jr. 1983. *Demodex peromysci* sp. n. (Acari: Prostigmata: Demodicidae) from the Meibomian glands of *Peromyscus leucopus* (Rodentia: Cricetidae). – J. Med. Ent., **20**: 377–382.
- Lukoschus F. S., R. H. G. Jongman. 1974. *Demodex lacrimalis* sp. n. (Demodicidae: Trombidiformes) from the Meibomian glands of European wood mouse *Apodemus sylvaticus*. – Acarologia, **16**(2): 274–281.
- Lukoschus F. S., R. H. G. Jongman, W. B. Nutting. 1972. Parasitic mites of Surinam XII. *Demodex melanopteri* sp. n. (Demodicidae: Trombidiformes) from the Meibomian glands of the neotropical bat *Eptesicus melanopterus*. – Acarologia, **14**(1): 54–58.
- Lukoschus F. S., L. J. A. Mertens, W. B. Nutting, W. B. Nadchatram. 1984. *Demodex intermedius* sp. n. (Acarina: Prostigmata: Demodicidae) from the Meibomian glands of the tree-shrew *Tupaia glis* (Scandentia: Tupaiidae). – Malay. Nat. J., **36**: 489–498.
- Lukoschus F. S., W. B. Nutting. 1979. Parasitic mites of Surinam XIII. *Ophthalmodex artibeii* gen. nov., sp. n. (Prostigmata: Demodicidae) from *Artibeus lituratus* with notes on pathogenesis. – Int. J. Acarol., **5**(4): 299–304.
- Lukoschus F. S., A. G. Woeltjes, C. E. Desch, W. B. Nutting. 1980a. Parasitic mites of Surinam XX. *Pterodex carolliae* gen. nov. sp. n. (Demodicidae) from the fruit bat, *Carollia perspicillata*. – Int. J. Acarol., **6**(1): 9–14.
- Lukoschus F. S., A. G. Woeltjes, C. E. Desch, W. B. Nutting. 1980b. Parasitic mites of Surinam XXXV. Two new *Ophthalmodex* spp. (*O. carolliae*, *O. molossi*: Demodicidae) from the bats *Carollia perspicillata* and *Molossus molossus*. – Int. J. Acarol., **6**(1): 45–50.
- Maravelas G.K. 1962. Studies of *Demodex sylvilagi* n. sp. (Acarina: Demodicidae) from the New England cottontail *Sylvilagus transitionalis* Bangs with a description of *Demodex transitionalis* n. sp. Master's Thesis, Univ. of Massachusetts Amherst: Amherst, MA, USA.
- Mason K.V. 1993. A new species of demodex mite with *D. canis* causing canine demodicosis: a case report. – In: Ninth Proceedings, Annual Members Meeting of Amer. Acad. Veterin. Dermatology and Amer. College Vet. Dermatology: 92.
- Matthes H.-F. 1991. Untersuchungen zur Infektion des Hausrindes mit der Haarbalmilbe *Demodex bovis* Stiles, 1892 unter Berücksichtigung der Demodicidae anderer Wirtsspezies. – Faculty of Vet. Med., Humboldt Univ., Berlin, 405 pp. (Thesis)
- Matthes H. – F. 1996. New aspects of parthenogenesis in cattle demodicosis (Demodicidae). – 93–96. In: Mitchell R., D. J. Horn, G.R. Needham, W.C. Welbourn (Eds). Acarology, 9: Vol. 1, Proceedings, Ohio Biol. Survey, Columbus: I-XX, 1–718.
- Matthes H.-F., V. Bukva. 1993. Features of bovine demodicosis (*Demodex bovis* Stiles, 1892) in Mongolia: preliminary observations. – Folia Parasitologica, **40**: 154–155.
- May I., M. Putin, V. Aciocirlănoaia. 1975. Observații privind rîia demodectică la bovine. – Rev. crest. Animal. 1975 (12) : 48–51.
- Mégnin J.P. 1877. Mémoire sur le *Demodex folliculorum* Owen. – Jour. Anat. Physiol. Normales et Pathologiques de l'Homme et des Animaux, **13**(2) : 97–122.

- Mehl R. 1979. Checklist of Norwegian ticks and mites (Acari). – Fauna Norvegica, Ser. B, **26**: 31–45.
- Mertens K. A. J. M., F. S. Lukoschus & W. B. Nutting. 1983. *Demodex huttereri* sp. n. (Acarina: Prostigmata: Demodicidae) from the Meibomian glands of *Apodemus agrarius* (Rodentia: Muridae). – Bonn. Zool. Beitr., **34**: 489–498.
- Miskjian H.G. 1951. Demodicidosis (*Demodex* infestation of the scalp). – Arch. Dermat. & Syph., **63**: 282–283.
- Moravvej H., M. Dehghan-Mangabadi, M.-R. Abbasian, G. Meshkat-Razavi. 2007. Association of Rosacea with Demodicosis. – Archives of Iranian Medicine, **10**(2): 199–203.
- Morita T., A. Ohmi, A. Kiwaki, K. Ilke, K. Nagata. 2018. A new stubby species of demodectic mite (Acari: Demodicidae) from the domestic dog (Canidae). – J. of Medical Entomology, **55**(2): 323–328.
- Moskvina T.V. 2017. Two morphologically distinct forms of *Demodex* mites found in dogs with canine demodicosis from Vladivostok, Russia. – Acta Vet. Beogr., **67**: 92–91.
- Mueller R.S., S.V. Bettenany. 1999. An unusual presentation of canine demodicosis caused by a long bodied *Demodex* mite in a Lakeland Terrier. – Austr. Vet. Pract., **29**: 128–130.
- Mulugeta Y., H.T. Yacob, H. Ashenafi. 2010. Ectoparasites of small ruminants in three selected agro-ecological sites of Tigray Region, Ethiopia. – Trop. Anim. Health Prod., **42**: 1219–1224.
- Murray M. D. 1959. A clinical case of demodectic mange in a sheep. – Austral. Vet. J., **35**: 93.
- Murray M. D., W.B. Nutting, R.W. Hewetson. 1976. Letter: Demodectic mange of cattle. – Aust. Vet. J., **52**(1): 49.
- Mwase E.T., A.S. Baker. 2006. An annotated checklist of mites (Arachnida: Acari) of Zambia. – Zootaxa, **1106**: 1–24.
- Nashat M.A., K.R. Luchins, E.R. Riedel, J.N. Izdebska, M.L. Lepherd, N.S. Lipman. 2017. Characterization of *Demodex musculi* infestation, associated co-morbidities, and its topographical distribution in a mouse strain with defective adaptive immunity. – Comp. Med., **67**: 315–329.
- Nahrung H. F. 1978. Morphology and functional anatomy of *Demodex folliculorum* (Simon) of man. – Acarologia (Paris), **19**(3): 422–462.
- Nahrung H. F. 1979. Redescription of *Demodex caballi* (= *D. folliculorum* var. *equi* Railliet, 1895) from the horse, *Equus caballus*. – Acarologia (Paris), **20**(2): 235–240.
- Nahrung H. F. 1987. Redescription of *Demodex nanus* (Acari: Demodicidae) from *Rattus norvegicus* and *R. rattus* (Rodentia). – Journal of Medical Entomology, **24** (1): 19–23.
- Nayak D.C., S.B. Tripathy, P.C. Dey, S.K. Ray, D.N. Mohanty, G.S. Parida, S. Biswal, M. Das. 1997. Prevalence of canine demodicosis in Orissa (India). – Veterinary Parasitology, **73** (3–4): 347–352.
- Nelson G.A.H. 1956. Some arthropods affecting man and livestock in New Zealand. – N.Z. Veterinary Journal, **4**: 11–18.
- Nemeséri L., A. Széki. 1961. Demodicosis in cattle. – Acta veter. Acad. Sci. hung., **11**: 209–221.

- Nemeséri L., A. Széki. 1962. Die Rinderdemodikose. – Berl. Munch. Tierarztl. Wochenschr., **16**: 304–307.
- Nemeséri L., A. Széki. 1966a. Demodicosis in sheep. – Acta vet. Acad. Sci. hung., **16**(1): 33–64.
- Nemeséri L., A. Széki. 1966b. Demodicosis of swine. – Acta vet. Acad. Sci. hung., **16**: 251–261.
- Nemeséri L., A. Széki. 1966c. Die Schaf-Demodikose. – In: A. Corradetti, Proc. 1st Int. Congr. Parasitol. (Roma 1964), **2**: 1017–1018.
- Nicholas W.D. 1943. *Demodex folliculorum*. Its incidence in routine histologic study of the skin. – Arch. Dermat. Syph., Chicago, **47**(6): 793–796.
- Nicolet H. 1855. Histoire naturelle des Acariens qui se trouvent aux environs de Paris. – Archive du Muséum d'Histoire Naturelle, Paris, **7**: 381–482.
- Noorudin M., S.M. Rahman. 1985. A note on bovine demodicosis in Bangladesh. – India J. Vet. Med., **5**: 139–140.
- Norn M.S. 1970. *Demodex folliculorum*. Incidence and possible pathogenic role in the human eyelid. – Acta Ophthal. Suppl. 108, 85 p.
- Nutting W. B. 1950. Studies on the genus *Demodex* Owen (Acari, Demodicoidea, Demodidae). – Ph. D. Thesis, Cornell Univ., Ithaca, New York.
- Nutting W. B. 1961. *Demodex aurati* sp. n. and *D. criceti*, ectoparasites of the golden hamster (*Mesocricetus auratus*). – Parasitology, **51**: 515–522.
- Nutting W. B. 1964. Demodicidae – status and prognostics. – Acarologia, **6**: 441–454.
- Nutting W. B. 1965. Host-parasite relations: Demodicidae. – Acarologia, **7**: 301–317.
- Nutting W. B. 1971. *Demodex canis* – a biologist's viewpoint. – Annual Meeting of Am. Anim. Hosp. Assoc., Miami Beach, Florida.
- Nutting W. B. 1973. Adaptations in demodicids (Trombidiformes: Demodicidae) for utilization of the mammalian skin complex. – Proc. 3-rd Internat. Congr. Acarology, Prague, 1971: 531–535.
- Nutting W. B. 1976a. Pathogenesis associated with hair follicle mites (Acari: Demodicidae). – Acarologia, **17**(3): 493–507.
- Nutting W. B. 1976b. Hair follicle mites (Acari: Demodicidae) of man. – Int. J. Dermatol., **15**(2): 79–98.
- Nutting W. B. 1976c. Hair follicle mites (*Demodex* spp.) of medical and veterinary concern. – Cornell Veterinarian, **66**: 214–231.
- Nutting W. B. 1980a. Demodicosis (Acari: Demodicidae) in the California sea lion, *Zalophus californicus*. – Journal of Medical Entomology, **17**(4): 344–347.
- Nutting W.B. 1980b. Synhospitality and speciation in the Demodicidae (Trombidiformes). – Proc. 4th Intl. Congress Acarology, 1974: 267–272.
- Nutting W.B. 1985. Prostigmata—Mammalia. Validation of coevolutionary phylogenies. In Coevolution of parasitic arthropods and mammals, K. C. Kim (ed.). John Wiley and Sons, Inc., New York, New York, pp. 569–640.
- Nutting W. B., E.E. Beekman, D.P. Snyder. 1978. *Demodex gapperi* (Acari: Demodicidae) associated with eyelid sealing in the red-backed vole, *Clethrionomys gapperi*. – J. Med. Entomol., **14**(6): 646–648.

- Nutting W. B., H. Beerman. 1965. Atypical giant cells in *Antechinus stuartii* due to demodicid mites. – I. Invest. Dermatol., **45**(6): 504–509.
- Nutting W. B., C. E. Desch. 1978. *Demodex canis*. Redescription and reevaluation. – Cornell Vet., **68**: 139–149.
- Nutting W. B., C. E. Desch. 1979. Relationships between mammalian and demodicid phylogeny. – In: Recent Advances in Acarology, vol. 2, Ed. J. G. Rodriguez, Academic Press, New York, pp. 339–345.
- Nutting W. B., S. O. Emejuaiwe, M. O. Tisdell. 1971. *Demodex gapperi* sp. n. (Acari: Demodicidae) from the red-backed vole, *Clethrionomys gapperi*. – J. Parasit., **59**: 660–665.
- Nutting W. B., K.E. Firda, C.E. Desch. 1989. Topology and histopathology of hair follicle mites (Demodicidae) of man. – Progress in Acarology, **1**: 113
- Nutting W. B., A.C. Green. 1976. Pathogenesis associated with hair follicle mites (*Demodex* spp.) in Australian aborigines. – British Journal of Dermatology, **94**(3): 307–312.
- Nutting W. B., F. M. Guilfooy. 1979. *Demodex cafferi* n. sp. from the African buffalo, *Syncerus caffer*. – Intl. J. Acar., **5**(1): 9–14.
- Nutting W. B., P. R. Kettle, J. D. Tenquist, L.K. Whitten. 1975. Hair follicle mites (*Demodex* spp.) in New Zealand. – N. Z. J. Zool., **2**: 219–222.
- Nutting W. B., W.F. Krchheimer, R.E. Pfaltzgraff. 1966. Demodicidiasis and leprosy. – Lepr. Rev., **37**(4): 209–216.
- Nutting W. B., F. S. Lukoschus, C. E. Desch. 1980. Parasitic mites of Surinam XXXVII. *Demodex marsupialis* sp. n. from *Didelphis marsupialis*: adaptation to glandular habitat. – Zool. Meded. Rijks Mus. Nat. Hist. Leiden, **56**: 83–90.
- Nutting W. B., H. Rauch. 1958. *Demodex criceti* sp. n. (Acari: Demodicidae) with notes on its biology. – J. Parasitol., **44**: 328–333.
- Nutting W. B., H. Rauch. 1961. The effect of biotin deficiency in *Mesocricetus auratus* on parasites of the genus *Demodex*. – J. Parasitol., **7**: 319–322.
- Nutting W. B., H. Rauch. 1963. Distribution of *Demodex aurati* in the host (*Mesocricetus auratus*) skin complex. – J. Parasitol., **49**: 323–329.
- Nutting W. B., L. Satterfield, G. Cosgrove. 1973. *Demodex* sp. infesting tongue, esophagus and oral cavity of *Onychomys leucogaster*, the grasshopper mouse. – J. Parasitol., **59**(5): 893–896.
- Nutting W. B., G. K. Sweatman. 1970. *Demodex antechini* (Acari: Demodicidae) parasitic on *Antechinus stuartii* (Marsupialia). – Parasitology, **60**: 425–429.
- Nutting W. B., M. O. Tisdell, S. O. Emejuaiwe. 1968. Y-shaped ovum of a demodicid from *Clethrionomys gapperi*. – J. Parasit., **54**: 393–394.
- Nutting W. B., P. Wooley. 1965. Pathology in *Antechinus stuartii* (Marsupialia) due to *Demodex* sp. – Parasitology, **55**: 383–389.
- Okyay P., H. Ertabaklar, E. Savk, S. Erfug. 2006. Prevalence of *Demodex folliculorum* in young adults: relation with sociodemographic/hygienic factors and acne vulgaris. – J. Eur. Acad. Dermatol. Venereol. **20**(4): 474–476.

- Ollé J., Ventura J., C. Feliu, P. Foronda, O. Francino, N. Sastre. 2020. First record of the presence of skin mites (*Demodex musculi*) in wild house mice from the Canary Islands (Spain). – Int. J. Acarol., **46**: 1–4.
- Özdemir M.H., U. Aksoy, Ç. Akisu, E. Sönmez, M.A. Çakmak. 2003. Investigating *Demodex* in forensic autopsy cases. – Forensic Science International, **135**: 226–231.
- Oppong E. N. W. 1970. Aspects of bovine demodicosis, streptothricosis and besnoitiosis in the Accra Plains of Ghana and a study of *Demodex ghanensis* sp. n. Ph. D. Thesis, Univ. Dublin.
- Oppong E. N. W., R. P. Lee, S. A. Yasin. 1975. *Demodex ghanensis* sp. nov. (Acari, Demodecidae) parasitic on west Africa cattle. – Ghana J. Sci., **15**: 39–43.
- Oudemans A.C. 1897. List of Dutch acari, seventh part: Acaridae Latr. 1806, and Phytoptidae Pagenst. 1861, with synonymical remarks en [sic] description of new species etc. – Tijdschr. Entom., **40**: 250–269.
- Oudemans A.C. 1905. Acarologische Aanteekeningen XIX. – Ent. Ber., **2**(25): 4–12.
- Oudemans A.C. 1909. Acarologische Aanteekeningen XXIII. – Ent. Ber., **2**(47): 319.
- Oudemans A.C. 1921. Over de plaats der Demodicidae in het systeem der Acari. – Entomologische Berichten, **5**: 1–7.
- Owen R. 1843. Lectures on the comparative anatomy and physiology of the invertebrate animals. From notes taken by W.W. Cooper, and revised by Prof. Owen. – Delivered at the Royal College of Surgeons, in 1843. P. 251–252.
- Owen D., C. Young. 1973. The occurrence of *Demodex aurati* and *Demodex criceti* in the Syrian hamster (*Mesocricetus auratus*) in the United Kingdom. – Vet. Rec., **17**: 282–284.
- Palopoli M.F., V.Tra, K. Matoin, P.D. Mac. 2017. Evolution of host range in the follicle mite *Demodex kutzeri*. – Parasitology, **144**: 594–600.
- Pekmezci G.Z., D. Pekmezci, C.S. Bolukbas. 2018. Molecular characterization of *Demodex canis* (Acarina: Demodicidae) in domestic dogs (*Canis familiaris*). – Kocatepe Vet. J., **11**: 1219–1224.
- Polyakov D. K. 1956. The problem of economic losses caused by bovine demodicosis. (In Russian). – Bjull. Nauch.-issled. Inst. Veter. Sanit. Ektoparasit, **1**, 16.
- Polyakov D. K. 1960. Demodect. – mange in cattle in the northwestern zone and the Central-Asian republics. – Trudy Vsesoyuz. Nauch. – Issled. Inst. Vet. San. i Ektoparazitol., Moskva, **16**: 10–14.
- Polyakov D. K. 1977. [Demodecosis in cattle]. – Arachnozi i Protozoynie bolezni sel'skohozyaystvennih zhivotnih, Moscow, "Kolos": 62–70 (in Russian).
- Poppe S.A. 1909. Nachtrag zur Milben – Fauna der Umgegend Bremens. – Abh. Nat. Ver. Bremen, **19**: 47–67.
- Prasad V. 2009. Presence of *Demodex brevis* Akbulatova, 1963 (Acari: Demodecidae) in a pathologic slide in Michigan, USA. – International J. of Acarology, **35**(1): 77–78.
- Prietsch 1886. *Demodex folliculorum* bei einem Samburhirsch. – Bericht Veterinärwesen Königreich Sachsen (1885): 89.

- Prietsch 1909. Akarusräude bei einem Reh. – Bericht Veterinärwesen Königreich Sachsen (1908): 77.
- Principato M. 1995. Demodectose humaine chez des sujets atteints d'alopecie seborrhéique : modifications périodiques dans le cycle biologique des parasites et considérations cliniques sur les causes de la calvitie. – Bull. Soc. Fr. De Parasitologie, **12**(1), 1994 : 81–91.
- Puccini V., G. Colella. 1975. Prima segnalazione per l'Italia sud-orientale di *Demodex phylloides*. – Acta med. Vet., **21**: 65–72.
- Putatunda B. N., R. Kumar, D.P. Banerjee. 2004. Mites parasitic and/or associated with poultry and some mammals in Hisar, Haryana with key to identification. – Indian J. Anim. Res., **38**(1): 1–7.
- Quintero T.C. 1977. Frecuencia de *Demodex phylloides* en diversas regiones anatómicas de cerdos en el Estado de México. – Veterinaria Mex., **7**: 42–44.
- Railliet A. 1893. Traité de Zoologie médicale et agricole. I. – Asselin et Houzeau, Paris.
- Railliet A. 1895. Traité de Zoologie médicale et agricole. I. – Asselin et Houzeau, Paris. Second Edition, pp.1303.
- Rak H. 1969. A report on Demodicosis (*Demodex canis*) Leydig (1859) in Iran. – J. vet. Fac. Univ. of Tehran, **25**(1): 157–166.
- Rak H. 1973. Ectoparasites of dogs and cats in Iran. – Entomologist's Monthly Magazine, **108**: 189.
- Rak H. 1975. Mites of medical and veterinary importance in Iran. – Bull. Soc. Pathol. Exot., **68**(5): 507–511.
- Rak H., R. Rahgozar. 1975a. Demodectic mange in cattle. – Vet. Rec. **79**: 482–483.
- Rak H., R. Rahgozar. 1975b. Demodectic mange in the eyelid of domestic ruminants in Iran. – Bull. de la Societe de Pathologie Exotique, **68**(6) : 591–593.
- Rafyi A., A. Alavi, H. Rak. 1967. Les espèces de mites rencontrées en Iran. – J. Vet. Fac. Univ. Tehran, Iran, **23**(1) : 38–46.
- Ramsay W.R. 1883. On *Demodex phylloides* (Csokor), in the skin of Canadian swine. – Proc. Canad. Inst., **1**: 275–281.
- Rather P.A., I. Hassan. 2014. Human *Demodex* mite: The versatile mite of dermatological importance. – Indian J. Dermatol., **59**: 60–66.
- Razowski J. (Ed.) 1997. Checklist of Animals of Poland. IV, part I-XXXI Porifera – Symphyla.
- Reeves W.K., L.A. Durden, Ch. M. Ritzi, K.R. Beckham, P. E. Super, B.M. OConnor. 2007. Ectoparasites and other ectosymbiotic arthropods of vertebrates in the Great Smoky Mountains National Park, USA. – Zootaxa, **1392**: 31–68.
- Reid J.F.S., I.M. Lauder. 1966. Demodectic mange in cattle. – Vet. Rec., **79**: 482–483.
- Retnasabapathy A., D. Lourdasamy. 1974. *Demodex aurati* and *Demodex criceti* in the golden hamster (*Mesocricetus auratus*). – Southeast. Asian J. Trop. Med. Public Health., **5**: 460.
- Rocha U.F., M.C. Pardi. 1954. Sarna em bovinos do Estado de São Paulo causado por *Demodex bovis* (Stiles, 1892) sic. Acari : Demodicidae. – Revta Fac. Med. Vet., Sao Paulo, **5** : 27–34.
- Rodriguez H. 2000. Prevalencia de *Demodex* sp. en pacientes con Blefaritis. – Anales de la Facultad de Medicina, Univ. Nac. Mayor de San Marcos, **61**(4): 299–304.

- Rodriguez-Vivas R.I., A. Ortega-Pacheco, J.A. Rosado-Aguilar, G.M.E. Bolio. 2003. Factors affecting the prevalence of mange-mite infestations in stray dogs of Yucatán, Mexico. – *Veterinary Parasitology*, **115**(1): 61–65.
- Rubin G. J. 1957. Demodectic mange. – Chas. Pfizer and Co., Dept. Vet. Med. Rev., **14**: 1–5. (Ex French 1964).
- Rufli T., Y. Mumcuoglu. 1981. The hair follicle mites *Demodex folliculorum* and *Demodex brevis*: Biology and medical importance. A review. – *Dermatologica*, **162**: 1–11.
- Saari S.A.M. et al. 2009. *Demodex gato* – associated contagious pruritic dermatosis in cats – A report from six households in Finland. – *Acta Vet. Scand.*, **51**: 1–8.
- Sakulploy R., A. Sangvaranond. 2010. Canine demodicosis caused by *Demodex canis* and short opisthosomal *Demodex cornei* in Shi Tzu dog from Bangkok Metropolitan Thailand. – *Kasetsart Veterinarians*, **20**: 27–35.
- Salib F.A. 2018. First report of bovine demodicosis in native Egyptian cow. – *Biomed. J. Sci. Tech. Re.*, **11**: 8424–8426.
- Salem N.Y., H. Abdel-Saeed, H.S.Farag, R.A.Chandour. 2020. Canine demodicosis: Hematological and biochemical alterations. – *Vet. World EISSN*, **13**: 68–72.
- Sangvaranond A. 1979. Mange infestation in domestic animals (Acarina: Sarcoptidae, Psoroptidae & Demodicidae) in Bogor and vicinity, west Java, Indonesia. – *Biotrop spec. Publ.* **6** : 45.
- Santarém V.A., M.R. Farias, R.A. Tostes. 2005. Demodectic mange in fattening pigs in São Paulo, Brazil. – *Veterinary Parasitology*, **131**(1–2): 169–171. [summary]
- Sari Y., E. Zeytun, S. Doğan, Y. Karakurt. 2019. Oküler dandrufflu hastalarda *Demodex folliculorum* ve *D. brevis* (Acari: Demodicidae) yaygınlığı ve yoğunluğu. – *Acarol. Stud.*, **1**: 23–43.
- Saridomichelakis M., A. Koutinas, E. Papadogiannakis, M. Papazachariadon, M. Liapi, D. Trakas. 1999. Adult – onset demodikosis in two dogs due to *Demodex canis* and a short-tailed demodectic mite. – *J. Small Animal Pract.*, **40**: 529–532.
- Schulz W., G Gräfner, T. Hiepe. 1968. Untersuchungen über die Demodikose in Rinderbeständen. – *Mh. Vet.-Med. (Jena)*, **23**: 535–540.
- Schwill. 1952. Die Demodikose des Rindes, eine wirtschaftlich bedeutungsvolle Krankheit. – *Dtsch. Tierärztl. Wschr.*, **59**: 325–327.
- Shi Xin-quan, Xie He-Xiu & Hsu Yeh-Hwa. 1985. A new species of the genus *Demodex* (Acari-formes: Demodicidae). – *Acta Zootaxonomica Sinica*, **10**: 385–387.
- Špringol'ts – Šmid A.I. 1937. Ectoparasites of some species of far eastern deer. *Vestnik Dal'nevostochn. Fil. Akad. Nauk SSSR*, **26**: 133–140 (in Russian).
- Shipstone M. 2000. Generalized demodicosis in dogs, clinical perspective. – *Aust. Vet. J.*, **78**(4): 240–242.
- Silbermayr K., C.Horvath-Ungerboeck, B. Eigner, A. Joachim, L. Ferrer. 2015. Phylogenetic relationships and new genetic tools for the detection and discrimination of the three feline *Demodex* mites. – *Parasit. Res.*, **114**: 747–752.

- Silbermayr K., A. Joachim, B. Litschauer, L. Panakova, N. Sastre, L. Ferrer, C. Horvath-Ungerboeck. 2013. The first case of *Demodex gato* in Austria, detected with fecal flotation. – *Parasitol. Res.*, **112**: 2809–2810.
- Silbermayr K., C. Horvath-Ungerboeck, B. Eigner, A. Joachim, L. Ferrer. 2015. Phylogenetic relationships and new genetic tools for the detection and discrimination of the three feline *Demodex* mites. – *Parasitol. Res.*, **114**: 747–752.
- Simon G. 1842. Ueber eine in der Kranken und normalen Haarsacken des Menschen lebende Milbe. – *Müllers Archiv* 1842, 218–237.
- Simon G. 1851. *Die Hautkrankheiten*. 295 p.
- Sivajothi S., B. Sudhakara Reddy, K.N. Kumari, V.C. Rayulu. 2013. Morphometry of *Demodex canis* and *Demodex cornei* in dogs with demodicosis in India. – *Int. J. Vet. Health Sci. Res.*, **1**: 1–4.
- Sivajothi S., B. Sudhakara Reddy, V.C. Rayulu. 2015. Demodicosis caused by *Demodex canis* and *Demodex cornei* in dogs. – *J. Parasitol. Dis.*, **39**: 673–676.
- Slingerberg J., A. N. Mohammed, S. A. Bida. 1980. Studies on bovine demodicosis in northern Nigeria. Specification and host parasite relationships. – *Vet. I.*, **2**: 90–94.
- Smith J.M.B. 1968. Diseases of hedgehogs. – *The Veterinary Bulletin*, **38**: 425–430.
- Smith H. J. 1960. Demodicidosis on large domestic animals. – A review. Health of Animals Division, Canada Department of Agriculture, Ottawa, 56 pp.
- Smith H. J. 1961a. Bovine demodicosis. I. Incidence in Ontario. – *Can. J. comp. Med.*, **25**: 165–169.
- Smith H. J. 1961b. Bovine demodicosis. II. Clinical manifestations in Ontario. – *Can. J. comp. Med.*, **25**: 201–204.
- Smith H. J. 1967. Bovine demodicosis-lesions and the resulting damage to hides and leather. – *Wiad. Parazyt.*, **13**: 543–546.
- Sokolovskii, V. A., 1952, Biological cycle of *Demodex canis* (Leydig). – *Sborn. Trudov Kharkov.* – *Vet. Inst., Kharkov.*, **21**: 328–346.
- Sokolovskii V. A. 1954. Increasing immunity against demodicosis in the dog. *Tezisy Dokl. 1. Vsesoyuz. Konf. Probl. Vet. Dermat. Arkhnol. i Entom.*, Moskva, (22–26 Mar.), pp. 131–133. (in Russian).
- Sokolovskii V. A. 1954. Mange (demodicosis) of the dog and basic methods of its control. – *Sborn. Trudov Khar'kov. Vet. Inst., Kharkov*, **32**: 310–315.
- Spickett S.G. 1961a. A preliminary note on *Demodex folliculorum* Simon (1842) as possible vector of leprosy. – *Leprosy Rev.*, **32**(4): 263–268.
- Spickett S.G. 1961b. Studies on *Demodex folliculorum* Simon (1842) I. Life History. – *Parasitology*, **51**(1–2): 181–192.
- Sreenivasan M.K., S. W. H. Rizvi. 1946. Demodectic mange of goats in India. – *Indian J. vet. Sci.*, **15**(4): 287–289.
- Starkoff O., I. Starkoff. 1950. Contributo alla conoscenza dell'acarofauna di Roma e dintorni II^a nota: sottordini Sarcoptiformes e Prostigmata. – *Rivista di Parassitologia*, **11**(2): 85–101.
- Stiles C. W. 1892. On *Demodex folliculorum* var. *bovis* in American cattle. – *Canad. Entomol.*, **24**: 286–290.

- Stoenescu D., V. Clipa, A. Gheorghiteanu, N. Curatu, P. Tanase, C. Toma, D. S. Teoderescu. 1972. Observations concernant l'épizootologie, la clinique et le traitement de la démodicose du chien. – Arch. Vet. Bucur., **9**: 113–123.
- Stromberg B.E., W.B. Nutting. 1973. Adaptive features of the exoskeleton and “pigment” deposits in *Demodex* spp. (Demodicidae). – Acarologia, 1972, **14**(4): 605–611.
- Sutmöller P. 1957. Demodicosis bij geiten en varkens op Aruba (Nederlandse Antillen). – Tijdsch. Diergeneesk. Utrecht, **82**: 42–47.
- Sweatman G.K. 1962. Parasitic mites of non-domestic animals in New Zealand. – N.Z. Entomologist, **3**: 15–23.
- Tandon N., A.K. Hati, A. Thammayya. 1980. *Demodex folliculorum* in man. – Rec. Zool. Surv. India, **76**: 139–142.
- Tater K.C., A.P. Patterson. 2008. Canine and feline demodicosis. – Veterinary Medicine, **103**: 8.
- Tenquist J. D., W. A. G. Charleston. 2001. A revision of the annotated checklist of ectoparasites of terrestrial mammals in New Zealand. – J. of the Royal Society of New Zealand, **31**(3) : 481–542.
- Thomson G. M. 1922. p.345 In: The Naturalisation of Plants and Animals in New Zealand. – Cambridge Univ. Press, London.
- Trouessart E. L. 1892. Considérations générales sur la classification des Acariens suivies d'un essai de classification nouvelle. – Rev. Sci. Nat. Ouest, **2**: 20–54.
- Trucco T., H. Ahibe, M. Arribillaga. 2019. Sarna demodécica (*Demodex bovis*) en terneros en la provincia de Entre Ríos. Descripción de un cuadro clínica. – Vet. Arg., **36**: 1–8.
- [TsedeB., R.V. Grebenyuk] Б. Цэдэв, Р.В. Гребенюк. 198 . [Ectoparasites of the sheep and goats and some wild animals in Mongolia. Entomological Research in Kirghizsan.]. Эктопаразиты мелкого рогатого скота и некоторых диких животных Монголии. – Энтомологические исследования в Киргизии: 126–127.
- Turk F. A. 1953. I. – A synonymic catalogue of British Acari: Part I. – Ann. Mag. Nat. Hist., 12th Ser., **61**: 1–26.
- Turner J.C., J. Cano. 2008. Demodectic Mange in a White -Tailed Deer from Walker County, Texas. – J. of Medical Entomology, **45**(3): 572–575.
- Tüzdil N. 1957. Das Vorkommen von *Demodex* in der Zunge einer Maus. – Z. Tropenmed. Parasitol., **8**: 274–278.
- Ugbomoiko U. S., L. Ariza, J. Heukelbach. 2008. Parasites of importance for human health in Nigerian dogs: high prevalence and limited knowledge of pet owners. – BMC Vet. Rec., **4**: 49.
- Unsworth K. 1946. Studies on the clinical and parasitological aspects of canine demodectic mange. – J. Comp. Path. Therap., **56**(2): 155–179.
- Valandro M.A., J.P. da Exaltacao Pascon, M.L. de Arruda Mistieri, T. Gallina. 2016. Demodicose felina por *Demodex cati*. – Acta Sci. Vet., **44**(suppl.1): 1–4.
- Vanselow P. 1910. Zur Acarusräude des Rindes und des Hirsches. – Vet. – Med. Diss. Univ. Giessen. Buchdruckerei Kirmse & Wagner, Gössnitz, 55 pp.

- Vargas M., B. Bassols, C.E. Desch, M.T. Quintero, O.J. Polaco. 1995. Description of two new species of the genus *Demodex* Owen, 1843 (Acari: Demodicidae). – Int. J. Acarology, **20**(2): 75–82.
- Veal R. A., K. M. T. Giesen, J. O. Whitaker Jr. 1984. A new species of the genus *Ophthalmomox* Lukoschus & Nutting 1979 (Prostigmata: Demodicidae) from *Myotis lucifugus* (Chiroptera: Vespertilionidae). – Acarologia, **25**(4): 347–350.
- Veena M., H. Dhanalakshmi, K. Kavitha, P.E.D. Souza, G.C. Puttalaksmamma. 2017. Morphological characterization of *Demodex* mites and its therapeutic management with neem leaves in canine demodicosis. – J. Entomol. Zool. Stud., **5**: 661–664.
- Venkatesan R. A., S. C. Nandy, G. Krishnan. 1979. Occurrence and possible significance of demodectic mites, *Demodex carpaе*, in the internal tissues of fetal and adult Indian goats. – J. Am. Leather Chem. Assoc., **74**: 191–197.
- Vestweber J.G., R.K. Ridley, J.C. Nietfeld, M.J. Wilkerson. 1999. Demodicosis in American Bison. – Can. Vet. J., **40**: 417–418.
- Vogelnest L.J., L. Vogelnest, R.S. Mueller. 2000. An undescribed *Demodex* sp. and demodicosis in a captive koala (*Phascolarctos cinereus*). – Journal of Zoo and Wildlife Medicine, **31**(1): 100–106.
- Waggie K.S., P.L. Marion. 1997. *Demodex* sp. in California ground squirrel. – J. of Wildlife Diseases, **33**(2): 368–370. [summary]
- Watson M. 1948. Colloidal iodine in the treatment of demodectic mange. – Vet. Rec., **60**: 349.
- Wetzel R. 1958. Zum Problem der Rinder-Demodikose. – Dtsch. Tierärztebl., **6**: 156.
- Whitten L. K. 1962. Parasitic mites of domestic animals in New Zealand. – N. Z. Entomologist, **3**: 9–12.
- Wilkerson J.D., D.M.P.Berger. 2007. Parasites of Gerbils. In: Flynn's Parasites of Laboratory Animals. Baker, D.G., Ed. Blackwell Publishing: Ames, IA USA, 413–420.
- Woeltjes A.G. W., F. S. Lukoschus. 1981. Parasites of Western Australia XIV. Two new species of *Ophthalmomox* Lukoschus & Nutting (Acarina: Prostigmata: Demodicidae) from the eyes of bats. – Rec. West. Aust. Mus., **9**(3): 307–313.
- Wolhuter J., R.G. Bengis, B.K. Reilly, P.C. Cross. 2009. Clinical demodicosis in African buffalo (*Syncerus caffer*) in the Kruger National Park. – J. Wildl. Dis., **45**: 502 – .
- Xu Yehua, Xie Hexiu, Liu Sulan, Zhou Zhongyong, Shi Xemquan. 1986. A new species of the genus *Demodex* (Acariformes: Demodicidae). – Acta Zool. Sinica, **32**: 163–167.
- Xie Hexiu, Liu Su-lan, Hsu-Yehua, Hsu Yin-chi. 1982. Taxonomy of family Demodicidae and a new subspecies. – Acta zootaxonomica sinica, **7**: 265–269.
- Yabsley M.J., S. E. Clay, S. E. J. Gibbs, M. W. Cunningham, M. G. Austel. 2013. Morphologic and Molecular Characterization of a *Demodex* (Acari: Demodicidae) Species from White-Tailed Deer (*Odocoileus virginianus*). – International Scholarly Research Notices, Vol. 2013, Article ID 342918, <https://doi.org/10.5402/2013/342918>
- Yagdiran Duzgun O., S. Aytekin. 2007. Comparison of *Demodex folliculorum* density in haemodialysis patients with a control group. – J. of the European Academy of Dermatology and Venereology, **21**(4): 480–483.

- Yasine A., B.Kumsa, Y.Hailu, D. Ayana. 2015. Mites of sheep and goats in Oromia Zone of Amhara Region, North Eastern Ethiopia: Species, prevalence and farmers awareness. – BMC Vet. Res., **11**: 1–6.
- Yehua Xu, Hexiu Xie, Sulan Liu, Zhongyong Zhou, Xinquan Shi. 1986. A new species of the genus *Demodex* (Acariformes: Demodicidae). – Acta Zool. sin., **32**: 163–167.
- Yeruham I., Sh. Rosen, A. Hadani. 1986. Sheep demodicosis (*Demodex ovis* Railliet, 1895) in Israel. – Rev. Elev. Méd. Vét. Pays trop., **39**: 363–365.
- Zeytun E., Y. Karakurt. 2019. Prevalence and load of *Demodex folliculorum* and *Demodex brevis* (Acari: Demodicidae) in patients with chronic blepharitis in the province of Erzincan, Turkey. – J. Med. Entomol., **8**: 2–9.
- Zhao Y.E., J. Cheng, L. Hu, J.X. Ma, 2014. Molecular identification and phylogenetic study of *Demodex caprae*. – Parasitol. Res., **113**: 3601–3508.
- Zhao Y.E., N. Guo, L.P.Wu. 2009. The effect of temperature on the viability of *Demodex folliculorum* and *Demodex brevis*. – Parasitol. Res., **105**: 1623–1628.
- Zhao Y.E., Y.Peng, X.I.Wang, L.P.Wu, M.Wang, H.I.Yan, S.X.Xiao. 2011. Facial dermatosis associated with *Demodex*: A case-control study. – J. Zhejiang Univ. Sci., **B12**: 1008–1015.
- Zhao Y.E., L. P. Wu, L. Hu, Y. Xu, Z. H. Wang, W. Y. Liu. 2012. Sequencing for complete rDNA sequences (18S, ITS1, 5. 8S, ITS2, and 28S rDNA) of *Demodex* and phylogenetic analysis of Acari based on 18S and 28S rDNA. – Parasitology Research, **21**(5): 2109–2114.
- Zhu Y.E., L. P. Wu. 2012. Phylogenetic relationships in *Demodex* mites (Acari: Demodicidae) based on mitochondrial 16S rDNA partial sequences. – Parasitology Research, **111**(3): 1113–1121.

The Mite Family Harpirhynchidae Dubinin

Harpirhynchidae Dubinin, 1957: 94

Two of the three subfamilies of Harpirhynchidae include skin parasites of birds.

Harpypalpinae are living on Passeriform birds, Harpirhynchinae – also on Passeriformes, but also on birds of other orders – Anseriformes, Apodiformes, Charadriiformes, Ciconiiformes, Coliiformes, Columbiformes, Galliformes, Pelecaniformes. Harpirhynchids were shown to be highly host specific, with 69.5% being monoxenous species and 23% species are associated with several closely related hosts (Bochkov, Klimov & Skoracki, 2017).

In his description of fam. Harpirhynchidae Dubinin (1957) included the specialized subfamily Ophioptinae (parasites of snakes) as subfamily of this family. Many subsequent researchers (Fain, Beron, Lizaso, etc.) followed Southcott (1956) who described the family Ophioptidae, but Bochkov (2002), based on cladistic analysis, restored the subfamilial status of the snake parasites.

According to Bochkov (2009b), the family contains 84 sp. of 14 genera. In line with Bochkov & Literák (2006), the family Harpirhynchidae is considered here to contain three subfamilies with 16 genera and ca. 135 species [93 acc. to Zhang et al., 2011], as follows:

Fam. **Harpyrhynchidae** Dubinin, 1957 – **16 genera, 135 species**

Subfam. **Harpypalpinae** Fain, 1972 – 2 genera, 19 species

Harpypalpoides Lombert et Moss, 1983 – 9 species

Harpypalpus Dubinin, 1957 – 10 species

Subfam. **Harpirhynchinae** Dubinin, 1957 – 12 genera, 98 species

Tribus **Harpirhynchini** Fain, 1972

Anharpyrhynchus Fain, 1995 – 4 species

Crassaracus Bochkov, OConnor et Klompen, 2015 – 6 species

Fainharpirhynchus Bochkov et Galloway, 2013 – 3 species

Harpyrhynchiella Fain, 1972 – 3 species

Harpyrhynchiella Fain, 1972 – 1 species

Cypsharpirhynchus Fain, 1995 – 2 species

Harpyrhynchoides Fain, 1972 – 58 species

Harpirhynchus Mégnin, 1878 – 5 species

Harpirhynchus s. str. Mégnin, 1878 – 4 species

Pseudoharpirhynchus Fain, Bochkov et Mironov, 1999 – 1 species

Neharpyrhynchus Fain, 1995 – 9 species

Ralliharpirhynchus Fain, 1995 – 2 species

Trichorhynchiella Fain, 1995 – 1 species

Tribus **Metharpyrhynchini** Fain, 1972

Metharpyrhynchus Fain, 1972 – 4 species

Tribus **Perharpyrhynchini** Fain, 1972

Perharpyrhynchus Fain, 1972 – 2 species

Harpirhynchinae incertae sedes – 1 species

Subfam. **Ophioptinae** Southcott, 1956 – 2 genera, 18 species

Afrophiotes Fain, 1962 – 2 species

Ophiotes Sambon, 1928 – 16 species

The history of the research on Harpirhynchidae starts with the description of “*Sarcoptes*” *nidulans* Nitsch, 1818. The same species is being described under various names all along 19th century by C.L. Koch (1836), Giebel (1871), Murray (1877), Canestrini (1886), Heim (1892), Railliet (1893), Berlese (1895) and others. In the paper of Berlese & Trouessart (1889) are described three more species.

In his general paper Mégnin (1877) first uses the name *Harpirhynchus* and under it these mites find place in the family Cheyletidae and remain there for the long 80 years, until the new classification of Dubinin (1957). He motivates the placement of genus *Harpirhynchus*, together with his new genus *Harpypalpus*, in a family of it's own, including also the snake parasites of the new subfamily Ophioptinae. Shortly before Dubinin's revision of the family Fritsch (1954) published his revision of these mites, leaving them (plus eight newly described species) in the genus *Harpirhynchus*. New hiatus follows and in 1972 and 1995 A. Fain described nine more genera and the subfamily Harpypalpidae, thus laying the foundation of the modern system of Harpirhynchidae. Many species known to belong to this family (without Ophioptinae, treated here separately) are described by Fain or with his participation.

Since 1999 begin a series of contributions of A. Bochkov (partly together with A. Fain, S.V. Mironov, H. Klompen, I. Literák, B. Sikora, M. Skoracki, T.D. Galloway and other co-authors). Based on solid analysis, using cladistic and other modern methods, they greatly completed the knowledge on Harpirhynchidae. Other specialists having contributed to the studies on the family are R. Domrow, M. Jeleva, N. Banks, H.E. Ewing, W. W. Moss, A.C. Oudemans, J.H. Oliver, R.F. Lawrence, H.A.P.M. Lombert, P.-Y. Henry, V. Černý, W. Sixl, E.M. Boyd, F. Dusbábek, J. Martinu, and others.

The recent review of Bochkov & Literák (2006) summarizes the knowledge on the European Harpirhynchidae (28 species, incl. the four described by Martinu, Dusbábek & Literák, 2008). According to Moss (1979a), the number of species belonging to this family is theoretically more than 2500. The Ophioptinae was downgraded from family to subfamily status, but is treated here on it's own, as it comprises specific parasites of snakes.

Catalogue of Harpirhynchidae

(Harpirhynchinae and Harpypalpinae)

Family **Harpirhynchidae** Dubinin

Harpirhynchidae Dubinin, 1957: 94

Type genus: *Harpirhynchus* Mégnin, 1877

Subfamily **Harpypalpinae** Fain

Harpypalpinae Fain, 1972: 49

Type genus: *Harpypalpus* Dubinin, 1957

Genus ***Harpypalpoides*** Lombert et Moss

Harpypalpoides Lombert & Moss, 1983: 165

Type species: *Harpypalpoides lukoschusi* Lombert et Moss, 1983

Harpypalpoides hirundinis (Fain)

Harpypalpus hirundinis Fain, 1972: 58

Harpypalpoides hirundinis (Fain): Fain, Bochkov & Mironov, 1999: 53; Bochkov & Klompen, 2014a: 469

Type locality: Kinshasa

Distribution: DR Congo

Host: *Psilidoprocne* sp. (Passeriformes: Hirundinidae)

Harpypalpoides hirundinoides Bochkov et Klompen

Harpypalpoides hirundinoides Bochkov & Klompen, 2014a: 468

Type locality: Noord Brabant, Schaijk

Distribution: Holland

Host: *Hirundo rustica* (Passeriformes: Hirundinidae)

Harpypalpoides johnstoni Bochkov et Klompen

Harpypalpoides johnstoni Bochkov & Klompen, 2014a: 470

Type locality: Holland, Gelderland, Arnhem

Distribution: Holland, Kazakhstan

Hosts: *Fringilla coelebs*, *F. montifringilla* (Passeriformes: Fringillidae)

Harpypalpoides lesickii Skoracki, Bochkov et Sikora

Harpypalpoides lesickii Skoracki, Bochkov & Sikora, 2004: 84; Bochkov & Literák, 2006: 140; Bochkov & Klompen, 2014a: 469

Type locality: Poznań environs, Jezioro village

Distribution: Kazakhstan, Poland

Hosts: *Carduelis cannabina*, *Coccothraustes coccothraustes* (Passeriformes: Fringillidae)

Harpypalpoides lukoschusi Lombert et Moss

Harpypalpoides lukoschusi Lombert & Moss, 1983: 165; Skoracki, Bochkov & Sikora, 2004: 85; Bochkov & Literák, 2006: 140; Bochkov & Klompen, 2014a: 467

Type locality: Utrecht (Holland)

Distribution: Holland, Poland

Hosts: *Turdus merula*, *T. pilaris* (Passeriformes: Turdidae)

Harpypalpoides namibiensis Fain, Bochkov et Mironov

Harpypalpoides namibiensis Fain, Bochkov & Mironov, 1999: 53; Bochkov & Klompen, 2014a: 469

Type locality: Karas, Aroab

Distribution: Namibia

Host: *Emberiza impetuani* (Passeriformes: Emberizidae)

Harpypalpoides regulus Bochkov et Klompen

Harpypalpoides regulus Bochkov & Klompen, 2014a: 471

Type locality: Noord Brabant, Schaijk

Distribution: Holland

Host: *Regulus regulus* (Passeriformes: Regulidae)

Harpypalpoides sitta Bochkov et Klompen

Harpypalpoides sitta Bochkov & Klompen, 2014a: 474

Type locality: California, Monterey Co.

Distribution: USA (Arizona, California)

Host: *Sitta pygmaea* (Passeriformes: Sittidae)

Harpypalpoides sylvia Bochkov et Klompen

Harpypalpoides sylvia Bochkov & Klompen, 2014: 472; Bochkov & Klompen, 2014a: 472

Type locality: Amsterdam

Distribution: Holland

Host: *Sylvia atricapilla* (Passeriformes: Sylviidae)

Genus ***Harpypalpus*** Dubinin

Harpypalpus Dubinin, 1957: 100

Type species: *Harpirhynchus longipes* Fritsch, 1954 (? syn. of *Harpirhynchus holopus* Berlese et Trouessart, 1889)

***Harpypalpus dubinini* Fain**

Harpypalpus dubinini Fain, 1972: 58; Bochkov & Klompen, 2014a: 465

Type locality: Antwerp Zoo

Distribution: ? Central Africa

Host: *Ploceus [Sitagra] intermedius* (Passeriformes: Ploceidae)

***Harpypalpus holopus* (Berlese et Trouessart)**

Harpirhynchus holopus Berlese & Trouessart, 1889: 18

Sarcoborus holopus: Oudemans, 1906: 76

Harpypalpus holopus (Berlese et Trouessart): Fain, Bochkov & Mironov, 1999: 46; Bochkov & Literák, 2006: 140; Bochkov & Klompen, 2014a: 462

Type locality: Italy

Distribution: Belgium, Italy

Hosts: *Passer domesticus* (Passeriformes: Passeridae), ? *Luscinia svecica* (Passeriformes: Muscicapidae)(? *Emberiza citronella* – Emberizidae – see Bochkov & Klompen, 2014a)

***Harpypalpus lonchura* Bochkov et Klompen**

Harpypalpus lonchura Bochkov & Klompen, 2014a: 460

Type locality: Western Australia, Mount Hart

Distribution: Australia

Host: *Lonchura castaneothorax* (Passeriformes: Estrildidae)

***Harpypalpus longipes* (Fritsch)**

Harpirhynchus longipes Fritsch, 1954: 183

Harpypalpus longipes (Fritsch): Moss, 1979; Skoracki, Bochkov & Sikora, 2004: 86; Bochkov & Klompen, 2014a: 458

Type locality: Germany, Bavaria, Middle Franconia, Kreis Freie Stadt Erlangen

Distribution: Germany, Holland, Poland

Hosts: *Cyanistes caeruleus*, *P. major*, *Periparus ater* (Passeriformes: Paridae), *Troglodytes troglodytes* (Pass.: Troglodytidae), *Nucifraga caryocatactes* (Pass.: Corvidae), *Carduelis cannabina*, *Spinus spinus*, *Pyrrhula pyrrhula*, *Serinus mozambicus* (Pass.: Fringillidae)

***Harpypalpus pyrrhula* Bochkov et Klompen**

Harpypalpus pyrrhula Bochkov & Klompen, 2014a: 462

Type locality: Gelderland, Nijmegen

Distribution: Holland

Host: *Pyrrhula pyrrhula* (Passeriformes: Fringillidae)

***Harpypalpus serini* Fain**

Harpypalpus serini Fain, 1972: 58; Bochkov & Klompen, 2014a: 465

Type locality: Antwerp Zoo

Distribution: Central Africa

Host: *Serinus mozambicus* (Passeriformes: Fringillidae)

Harpypalpus spermestes Fain, Bochkov et Mironov

Harpypalpus spermestes Fain, Bochkov & Mironov, 1999: 50

Type locality: Luluabourg (Kananga, Kasai Occidental)

Distribution: DR Congo

Host: *Ploceus cucullatus* (Passeriformes: Ploceidae)

Harpypalpus sturnus Bochkov et Klompen

Harpypalpus sturnus Bochkov & Klompen, 2014a: 463

Type locality: Gelderland, Nijmegen

Distribution: Holland

Host: *Sturnus vulgaris* (Passeriformes: Sturnidae)

Harpypalpus taeniopygia Bochkov et Klompen

Harpypalpus taeniopygia Bochkov & Klompen, 2014a: 461

Type locality: Western Australia, Brooking Spring

Distribution: Australia

Host: *Taeniopygia guttata* (Passeriformes: Estrildidae)

Harpypalpus tiarae Fain, Bochkov et Mironov

Harpypalpus tiarae Fain, Bochkov & Mironov, 1999: 49; Bochkov & Klompen, 2014a: 465

Type locality: Antwerp Zoo

Distribution: Central Africa

Host: *Tiaris canora* (Passeriformes: Thraupidae)

Subfamily **Harpirhynchinae** Dubinin

Harpirhynchinae Dubinin, 1957: 100

Type genus: *Harpirhynchus* Mégnin, 1877

Tribus **Harpyrhynchini** Fain

Harpyrhynchini Fain, 1972: 50

Type genus: *Harpirhynchus* Mégnin, 1877

Genus **Anharpyrhynchus** Fain

Harpyrhynchus (*Anharpyrhynchus*) Fain, 1972: 50

Harpirhynchus (*Anharpyrhynchus*) Fain, 1994: 111

Anharpyrhynchus Fain, 1995: 75

Type species: *Harpyrhynchus monstrosus* Fritsch, 1954

Anharpyrhynchus apodus Bochkov et Klompen*Anharpyrhynchus apodus* Bochkov & Klompen, 2014: 320

Type locality: New South Wales, Cordeaux Dam, 34.37°S 150.75°E

Distribution: Australia

Hosts: *Lichmera indistincta*, *Phylidonyris novaehollandiae* (Passeriformes: Meliphagidae)***Anharpyrhynchus elizae*** Bochkov et Klompen*Anharpyrhynchus elizae* Bochkov & Klompen, 2014b: 317; Bochkov, OConnor & Klompen, 2015: 112

Type locality: Florida, Columbia Co., O'Leno State Park, 29.92°N 82.58°W

Distribution: USA

Hosts: *Cyanocitta cristata*, *C. stelleri* (Passeriformes: Corvidae), *Colaptes auratus* (Piciformes: Picidae)***Anharpyrhynchus lukoschusi*** Bochkov et Klompen*Anharpyrhynchus lukoschusi* Bochkov & Klompen, 2014b: 320

Type locality: Western Australia, Mount Hart, 17.02 °S 125.07 °E

Distribution: Australia

Hosts: *Manorina flavigula*, *Certhionyx pectoralis* (Passeriformes: Meliphagidae)***Anharpyrhynchus monstrosus*** (Fritsch)*Harpyrhynchus monstrosus* Fritsch, 1954: 188; Dubinin, 1957: 107; Lawrence, 1959a: 425*Harpyrhynchus* (*Anharpyrhynchus*) *monstrosus*, Fain, 1972: 55*Harpyrhynchus* (*Anharpyrhynchus*) *fritschii* Fain, 1972: 55 – type from *Xanthoura luxuosa*, Anvers Zoo*Harpirhynchus monstrosus* Fritsch: Domrow, 1991: 1317*Anharpyrhynchus monstrosus* (Fritsch): Fain, 1995: 97; Bochkov & Literák, 2006: 140

Type locality: Germany

Distribution: Australia, Belgium, Germany

Hosts: *Corvus monedula*, *Garrulus glandarius*, *Xanthoura yncas luxuosa* (= *Cyanocorax yncas*) (Passeriformes: Corvidae); recorded from Australia on: *Gliciphila indistincta*, *Meliornis novaehollandiae*, *Myzantha flavigula*, *Myzomela pectoralis* (Passeriformes: Meliphagidae)**Genus *Crassacarus*** Bochkov, OConnor et Klompen*Crassacarus* Bochkov, OConnor & Klompen, 2015: 67Type species: *Crassacarus alexfaini* Bochkov, OConnor et Klompen, 2015***Crassacarus alexfaini*** Bochkov, OConnor et Klompen*Crassacarus alexfaini* Bochkov, OConnor & Klompen, 2015: 67

Type locality: Michigan, Livingston Co., 4 mi S. Howell, 42.5495394°N, 83.9409112°W

Distribution: USA

Hosts: *Cardinalis cardinalis* (Passeriformes: Cardinalidae), *Passerina ciris* (Pass.: Cardinalidae), *Setophaga petechia* (Pass.: Parulidae)

Crasacarus cylindripalpus (Fritsch)

Harpyrhynchus cylindripalpus: Fritsch, 1954: 183; Dubinin, 1957: 108

Harpirhynchus (Pseudoharpirhynchus) cylindripalpus Fritsch: Fain, Bochkov & Mironov, 1999: 39

Harpyrhynchoides cylindripalpus (Fritsch): Bochkov & Literák, 2006: 140

Crassacarus cylindripalpus (Fritsch) – Bochkov, OConnor & Klompen, 2015: 67

Type locality: Germany

Distribution: Germany

Hosts: *Fringilla coelebs* (Passeriformes: Fringillidae), *Passerina ciris* (Pass., Cardinalidae)

Crassacarus fritschi Bochkov, OConnor et Klompen

Crassacarus fritschi Bochkov, OConnor & Klompen, 2015: 71

Type locality: Michigan, Muskegon Co., Muskegon State game Area, along US route 31, 43.2961989°N, 86.0668945°W

Distribution: USA

Host: *Bombycilla cedrorum* (Passeriformes: Bombycillidae)

Crassacarus melanerpes Bochkov, OConnor et Klompen

Crassacarus melanerpes Bochkov, OConnor & Klompen, 2015: 75

Type locality: Kansas, Johnson Co., Craig, 38.97°N 94.82°W

Distribution: USA

Host: *Melanerpes formicivorus* (Piciformes: Picidae)

Crassacarus sialia Bochkov, OConnor et Klompen

Crassacarus sialia Bochkov, OConnor & Klompen, 2015: 73

Type locality: Wyoming, Campbell Co., Gillette, 19.3 km E of, 44.29°N 105.5°W

Distribution: USA

Host: *Sialia currucoides* (Passeriformes: Turdidae)

Crassacarus tinae Bochkov, OConnor et Klompen

Crassacarus tinae Bochkov, OConnor & Klompen, 2015: 70

Type locality: Wyoming, Campbell Co., Gillette, 19.3 km E of, 44.29°N 105.5°W

Distribution: USA

Host: *Carduelis tristis* (Passeriformes: Fringillidae)

Genus ***Fainharpirhynchus*** Bochkov et Galloway

Fainharpirhynchus Bochkov & Galloway, 2013: 414

Type species: *Fainharpirhynchus contopus* Bochkov et Galloway, 2013

Fainharpirhynchus contopus Bochkov et Galloway

Fainharpirhynchus contopus Bochkov & Galloway, 2013: 418; Bochkov, OConnor & Klompen, 2015: 83

Type locality: Manitoba, Winnipeg

Distribution: Canada, USA (Michigan)

Hosts: *Contopus cooperi*, *C. virens* (Parasitiformes: Tyrannidae)

Fainharpirhynchus legatus Bochkov et Klompen

Fainharpirhynchus legatus Bochkov & Klompen, 2014: 307

Type locality: Sangre Grande, Cumuto, 1.6 km E on Cumuto Road, 10.58°N, 61.2°W

Distribution: Trinidad & Tobago

Host: *Legatus leucophaeus* (Parasitiformes: Tyrannidae)

Fainharpirhynchus mossi Bochkov et Klompen

Fainharpirhynchus mossi Bochkov & Klompen, 2014: 311

Type locality: North America

Distribution: North America

Host: *Myiarchus crinitus* (Parasitiformes: Tyrannidae)

Genus ***Harpyrhynchiella*** Fain

Harpyrhynchiella Fain, 1972: 56

Type species: *Harpyrhynchus reductus* Fritsch, 1954

Cypsharpirhynchus Fain, 1995: 75. Syn. by Bochkov (2015)

Type species: *Metharpyrhynchus cypsiuri* Fain, 1972

Subgenus ***Cypsharpirhynchus*** Fain, 1995

Cypsharpirhynchus Fain, 1995: 75. Syn. by Bochkov (2015)

Type species: *Metharpyrhynchus cypsiuri* Fain, 1972

Harpyrhynchiella (Cypsharpirhynchus) apus Bochkov

Harpyrhynchiella (Cypsharpirhynchus) apus: Bochkov, 2015: 8

Type locality: Kaliningrad Province, Curonian spit

Distribution: Russia

Host: *Apus apus* (Apodiformes: Apodidae)

Harpyrhynchiella (Cypsharpirhynchus) cypsiuri (Fain)

Metharpyrhynchus cypsiuri Fain, 1972: 57

Cypsharpirhynchus cypsiuri (Fain): Fain, 1995: 75

Harpyrhynchiella (Cypsharpirhynchus) cypsiuri (Fain): Bochkov, 2015: 7

Type locality: Kananga (= Luluabourg), Prov. Kasai, DR Congo; Togo

Distribution: DR Congo, Togo

Hosts: *Apus affinis*, *Cypsiurus parvus* (Apodiformes: Apodidae)

Subgenus ***Harpyrhynchiella*** Fain

Harpyrhynchiella Fain, 1972: 56

Harpyrhynchiella (*Harpyrhynchiella*): Bochkov, 2015: 4

Type species: *Harpyrhynchus reductus* Fritsch, 1954

Harpyrhynchiella* (*Harpyrhynchiella*) *reductus (Fritsch)

Harpyrhynchus reductus Fritsch, 1954: 196; Dubinin, 1957: 108

Harpyrhynchiella reductus (Fritsch): Fain, 1972: 56; 1995: 94; Bochkov & Literák, 2006: 140

Harpyrhynchiella (*Harpyrhynchiella*) *reductus* (Fritsch): Bochkov, 2015: 4

Type locality: Germany

Distribution: Germany, Holland

Host: *Apus apus* (Apodiformes: Apodidae)

Genus ***Harpyrhynchoides*** Fain

Harpyrhynchus (*Harpyrhynchoides*) Fain, 1972: 50

Harpyrhynchoides (genus): Fain, Bochkov & Mironov, 1999: 42

Type species: *Harpyrhynchus* (*Harpyrhynchoides*) *squamosus* Fain, 1972

Pseudoharpirhynchus Fain, Bochkov et Mironov, 1999 is syn. by Bochkov, OConnor & Klompen, 2015. Type: *Harpirhynchus agapornis* Fain, 1972

Harpyrhynchoides accipiter Bochkov et OConnor

Harpyrhynchoides accipiter Bochkov & OConnor, 2013: 503; Bochkov, OConnor & Klompen, 2015: 35

Type locality: Michigan, Chippewa Co., Whitefish Point

Distribution: USA (Michigan, New York)

Host: *Accipiter striatus* (Accipitriformes: Accipitridae)

Harpyrhynchoides actitis Bochkov, OConnor et Klompen

Harpyrhynchoides actitis Bochkov, OConnor & Klompen, 2015: 23

Type locality: British Columbia, Vancouver, 49.16°N, 122.86°W

Distribution: Canada

Host: *Actitis macularius* (Charadriiformes: Scolopacidae)

Harpyrhynchoides aegolius Bochkov et OConnor

Harpyrhynchoides aegolius Bochkov & OConnor, 2013: 501

Type locality: Michigan, Oakland Co., Blissfield

Distribution: USA (Michigan)

Host: *Aegolius acadicus* (Strigiformes: Strigidae)

***Harpyrhynchoides agapornis* (Fain)**

Harpyrhynchus (*Harpyrhynchus*) *agapornis* Fain, 1972: 50; 1995: 77

Harpirhynchus (*Pseudoharpirhynchus*) *agapornis* Fain: Fain, Bochkov & Mironov, 1999: 39

Harpyrhynchoides agapornis (Fain): Bochkov, OConnor & Klompen, 2015: 66

Type locality: South Africa

Distribution: South Africa

Hosts: *Agapornis nigrigenis*, *A. pullarius*, *A. roseicollis* (Psittaciformes: Psittaculidae)

***Harpyrhynchoides alaudinus* Bochkov**

Harpyrhynchus nidulans: Mégnin, 1877 : 429; Oudemans, 1939 (? misidentification)

Harpyrhynchoides alaudinus Bochkov, 2000b: 91; Bochkov & Literák, 2006: 140

Type locality: Okskiy Reservation, Moskow Prov.

Distribution: France (?), Russia

Host: *Alauda arvensis* (Passeriformes: Alaudidae)

***Harpyrhynchoides alectoris* (Fain)**

Harpyrhynchus (*Harpyrhynchoides*) *alectoris* Fain, 1972: 54

Harpirhynchus (*Harpyrhynchoides*) *alectoris*, Fain, 1994: 117

Harpyrhynchoides alectoris (Fain): Fain, Bochkov & Mironov, 1999: 45; Bochkov & Literák, 2006: 140

Type locality: Antwerp Zoo

Distribution: Spain

Hosts: *Alectoris graeca*, *A. rufa* (Galliformes: Phasianidae)

***Harpyrhynchoides amazonae* (Fain)**

Harpyrhynchus (*Harpyrhynchoides*) *amazonae* Fain, 1972: 52; 1994: 113

Harpyrhynchoides amazonae (Fain): Bochkov, OConnor & Klompen, 2015: 59

Type locality: Antwerp Zoo

Distribution: South America

Host: *Amazona aestiva* (Psittaciformes: Psittacidae)

***Harpyrhynchoides anatum* (Fain)**

Harpyrhynchus (*Harpyrhynchoides*) *anatum* Fain, 1972: 54; 1994: 113; Bochkov & Literák, 2006: 140

Type locality: Antwerp Zoo

Distribution: Europe

Host: *Anas querquedula* (Anseriformes: Anatidae)

***Harpyrhynchoides artamus* Bochkov et Klompen**

Harpyrhynchoides artamus Bochkov & Klompen, 2015: 24

Type locality: SE Asia

Distribution: SE Asia

Host: *Artamus fuscus* (Passeriformes: Artamidae)

***Harpyrhynchoides asio* (Fain)**

Harpyrhynchus (Harpyrhynchoides) asio Fain, 1972: 52; 1994: 128

Harpyrhynchoides asio (Fain): Bochkov & Literák, 2006: 140

Type locality: Baelen Neet

Distribution: Belgium

Host: *Asio otus otus* (Strigiformes: Strigidae)

***Harpyrhynchoides athene* Bochkov, OConnor et Klompen**

Harpyrhynchoides athene Bochkov, OConnor & Klompen, 2015: 56

Type locality: Texas, Lubbock Co., Lubbock, 33.58°N, 101.86°W

Distribution: USA

Host: *Athene canicularia* (Strigiformes: Strigidae)

***Harpyrhynchoides botaurus* Bochkov et Galloway**

Harpyrhynchoides botaurus Bochkov & Galloway, 2013: 409; Bochkov, OConnor & Klompen, 2015: 33

Type locality: Manitoba, Winnipeg

Distribution: Canada

Host: *Botaurus lentiginosus* (Pelecaniformes: Ardeidae)

***Harpyrhynchoides brevis* (Ewing)**

Harpyrhynchus brevis Ewing, 1911: 38; Moss et al., 1968: 391; Fain, 1995: 99; Bochkov & Literák, 2006: 140

Harpyrhynchoides brevis (Ewing): Bochkov & Klompen, 2014c

Type locality: ?

Distribution: ?

Hosts: *Turdus migratorius* (Passeriformes: Turdidae), *Coccothraustes vespertina*, *Loxia curvirostra* (Pass.: Fringillidae)

***Harpyrhynchoides bubulcus* Bochkov, OConnor et Klompen**

Harpyrhynchoides bubulcus Bochkov, OConnor & Klompen, 2015: 28

Type locality: Florida, Orange Co., Orlando, Lake Adaire, 28.5666208°N, 81.2608791°W

Distribution: USA

Host: *Bubulcus ibis* (Pelecaniformes: Ardeidae)

***Harpyrhynchoides butorides* (Boyd)**

Harpyrhynchus butorides Boyd, 1968: 19

Harpyrhynchus (Harpyrhynchoides) ?herodius, Fain 1994: 119

Harpyrhynchoides butorides (Boyd): Bochkov, OConnor & Klompen, 2015: 31

Type locality: Massachusetts, Hampshire, 42.38°N, 72.52°W

Distribution: USA

Host: *Butorides virescens* (Pelecaniformes: Ardeidae)

Harpyrhynchoides calidris Bochkov, OConnor et Klompen

Harpyrhynchoides calidris Bochkov, OConnor & Klompen, 2015: 17

Type locality: Kansas

Distribution: USA

Host: *Calidris minutilla* (Charadriiformes: Scolopacidae)

Harpyrhynchoides capellae (Fritsch)

Harpyrhynchus capellae Fritsch, 1954: 179; Dubinin, 1957: 104

Harpirhynchus (*Harpyrhynchoides*) *capellae*, Fain, 1994: 117

Harpyrhynchoides capellae (Fritsch): Fain, Bochkov & Mironov, 1999: 45; Bochkov & Literák, 2006: 140

Type locality: Erlangen (Germany)

Distribution: France, Germany

Hosts: *Gallinago gallinago*, *Lymnocyrtus minimus* (Charadriiformes: Scolopacidae)

Harpyrhynchoides capitatus (Fain)

Harpirhynchus (*Harpyrhynchoides*) *capitatus* Fain, 1976: 129; 1994: 119

Type locality: Antwerp Zoo

Distribution: ?

Host: *Columbigallina talpacoti* (Columbiformes: Columbidae)

Harpyrhynchoides charadrius Bochkov, OConnor et Klompen

Harpyrhynchoides charadrius Bochkov, OConnor & Klompen, 2015: 20

Type locality: Texas, Lubbock Co., 33.6°N, 101.83°W

Distribution: USA

Host: *Charadrius vociferus* (Charadriiformes: Charadriidae)

Harpyrhynchoides clamator Bochkov

Harpyrhynchoides clamator Bochkov, 2014: 480

Type locality: Limpopo, Waterberg District Municipality, Bela-Bela, Little Kariba

Distribution: South Africa

Host: *Clamator jacobinus* (Cuculiformes: Cuculidae)

Harpyrhynchoides coccyzus Bochkov, OConnor et Klompen

Harpyrhynchoides coccyzus Bochkov, OConnor & Klompen, 2015: 44

Type locality: Michigan, Washtenaw Co., Ann Arbor, UM Campus, 42.2793409°N, 83.7386084°W

Distribution: USA

Hosts: *Coccyzus americanus*, *C. erythrophthalmus* (Cuculiformes: Cuculidae)

***Harpyrhynchoides columbae* (Fain)**

Harpyrhynchus (Harpyrhynchoides) columbae Fain, 1972: 51; 1994

Harpyrhynchoides columbae (Fain): Bochkov & Literák, 2006: 140

Type locality: Bouillon

Distribution: Belgium

Host: *Columba livia domestica* (Columbiformes: Columbidae)

***Harpyrhynchoides coturnix* (Fain)**

Harpyrhynchus (Harpyrhynchoides) coturnix Fain, 1972: 54

Harpyrhynchus (Harpyrhynchoides) coturnix, Fain, 1994: 116

Harpyrhynchoides coturnix (Fain): Bochkov, OConnor & Klompen, 2015: 34

Type locality: Antwerp Zoo

Distribution: North America (unknown locality)

Host: *Coturnix delegorguei* (Galliformes: Phasianidae)

***Harpyrhynchoides coxatus* (Fain)**

Harpyrhynchus (Harpyrhynchoides) coxatus Fain, 1972: 54; 1994: 133

Type locality: Antwerp Zoo

Distribution: ?

Hosts: *Columbigallina talpacoti*, *Columbina cruziana*, *Scardafella squamata* (Columbiformes: Columbidae)

***Harpyrhynchoides cristagalli* (Berlese et Trouessart)**

Harpyrhynchus crista – galli Berlese & Trouessart, 1889: 121; Lawrence, 1959b: 108

Sarcoborus crista – galli: Oudemans, 1906: 77

Harpyrhynchus crista – galli: Lawrence, 1959a: 418

Harpyrhynchus (Harpyrhynchoides) cristagalli, Fain, 1994: 130

Harpyrhynchoides cristagalli: Bochkov, OConnor & Klompen, 2015: 66

Type locality: South Africa

Distribution: Namibia, South Africa

Hosts: *Colius colius*, *C. striatus* (Coliiformes: Coliidae)

***Harpyrhynchoides crotophaga* Bochkov, OConnor et Klompen**

Harpyrhynchoides crotophaga Bochkov, OConnor & Klompen, 2015: 61

Type locality: Paramaribo, Wegnaar Zee, 05.82°N 55.17°W

Distribution: Suriname

Host: *Crotophaga ani* (Cuculiformes: Cuculidae)

Harpyrhynchoides gallowayi Bochkov, OConnor et Klompen

Harpyrhynchoides gallowayi Bochkov, OConnor & Klompen, 2015: 51

Type locality: Manitoba, Winnipeg

Distribution: Canada

Host: *Columba livia* (Columbiformes: Columbidae)

Harpyrhynchoides heatherae Bochkov et Galloway

Harpyrhynchoides heatherae Bochkov & Galloway, 2013: 407

Type locality: Manitoba, Winnipeg, Sommerland

Distribution: Canada

Host: *Junco hyemalis* (Passeriformes: Emberizidae)

Harpyrhynchoides herodius (Boyd)

Harpyrhynchus herodius Boyd, 1968: 18

Harpyrhynchus (*Harpyrhynchoides*) *herodius* Fain, 1994: 112

Harpyrhynchoides herodius (Boyd): Bochkov & Literák, 2006: 140; Bochkov, OConnor & Klompen, 2015: 28

Type locality: Massachusetts, USA

Distribution: Belgium, Holland, USA (Massachusetts)

Hosts: *Ardea cinerea*, *A. herodius* (Pelecaniformes: Ardeidae)

Harpyrhynchoides ixobrychus Bochkov, OConnor et Klompen

Harpyrhynchoides ixobrychus Bochkov, OConnor & Klompen, 2015: 32

Type locality: Michigan, Oakland Co.

Distribution: USA

Host: *Ixobrychus exilis* (Pelecaniformes: Ardeidae)

Harpyrhynchoides kakatoe (Fain)

Harpyrhynchus (*Harpyrhynchoides*) *kakatoe* Fain, 1972: 52; 1994: 120

Harpirhynchus kakatoe: Domrow, 1991: 1317

Harpyrhynchoides kakatoe (Fain): Bochkov, OConnor & Klompen, 2015: 64

Type locality: Antwerp Zoo

Distribution: Australia

Host: *Kakatoe galerita* (Psittaciformes: Cacatuidae)

Harpyrhynchoides lawrencei (Fain)

Harpyrhynchus (*Harpyrhynchus*) *lawrencei* Fain, 1972: 51

Harpirhynchus (*Harpyrhynchoides*) *lawrencei*, Fain, 1994: 113

Harpyrhynchoides lawrencei (Fain): Bochkov, OConnor & Klompen, 2015: 60

Type locality: Antwerp Zoo

Distribution: South America

Host: *Aratinga nenday* (Psittaciformes: Psittacidae)

Harpyrhynchoides megascops Bochkov, OConnor et Klompen

Harpyrhynchoides megascops Bochkov, OConnor & Klompen, 2015: 39

Type locality: Michigan, Michigan, Oakland Co., Commerce Twp., Marble Ct.,

42.5644286°N, 83.4637356°W

Distribution: USA

Host: *Megascops asio* (Strigiformes: Strigidae)

Harpyrhynchoides metropeliae (Fain)

Harpyrhynchus (*Harpyrhynchoides*) *metropeliae* Fain, 1972: 53

Harpyrhynchoides metropeliae (Fain): Bochkov, OConnor & Klompen, 2015: 47

Type locality: Antwerp Zoo

Distribution: South America (unknown locality)

Host: *Metropelia caeciliae* (Columbiformes: Columbidae)

Harpyrhynchoides modestus (Fain)

Harpyrhynchus (*Harpyrhynchoides*) *modestus* Fain, 1976: 126; 1994: 134; Bochkov & Galloway, 2013: 413

Harpyrhynchoides modestus (Fain): Bochkov, OConnor & Klompen, 2015: 54

Type locality: Antwerp Zoo

Distribution: Canada

Host: *Metropelia caeciliae* (Columbiformes: Columbidae)

Harpyrhynchoides numidae (Lawrence)

Harpyrhynchus numidae Lawrence, 1959b: 110

Harpirhynchus (*Harpyrhynchoides*) *numidae*, Fain, 1994: 117

Harpyrhynchoides numidae (Fain): Bochkov, OConnor & Klompen, 2015: 64

Type locality: Africa

Distribution: Africa

Host: *Numida meleagris* (Galliformes: Numididae)

Harpyrhynchoides oenae (Fain)

Harpyrhynchus (*Harpyrhynchoides*) *oenae* Fain, 1972: 53

Harpyrhynchus (*Harpyrhynchoides*) *lamorali* Fain, 1972: 53 – on *Oena capensis*.

Harpyrhynchus (*Harpyrhynchoides*) *oenae lamorali*, Fain, 1994: 125. Syn. by Bochkov et al., 1915

Type locality: Antwerp Zoo

Distribution: ?

Host: *Tympanistria tympanistria* (Columbiformes: Columbidae)

Harpyrhynchoides parazumpti Fain, Bochkov et Mironov

Harpyrhynchoides parazumpti Fain, Bochkov & Mironov, 1999: 43; Bochkov & Literák, 2006: 140; Bochkov, OConnor & Klompen, 2015: 54

Type locality: Kishinev (Moldavia)

Distribution: Germany, Moldavia, USA

Hosts: *Corvus brachyrhynchos*, *C. frugilegus*, *C. monedula* (Passeriformes: Corvidae)

Harpyrhynchoides pectinifer (Lawrence)

Harpyrhynchus pectinifer Lawrence, 1959a: 419

Harpirhynchus (*Harpyrhynchoides*) *pectinifer* Lawrence: Fain, 1994: 113

Harpyrhynchoides pectinifer (Lawrence): Bochkov, OConnor & Klompen, 2015: 60

Type locality: Newington, East Transvaal, South Africa

Distribution: Rwanda, South Africa, USA, Zimbabwe

Hosts: *Campethera abingoni*, *C. cailliauti*, *Colaptes auratus* (Piciformes: Picidae)

Harpyrhynchoides phalaropus Bochkov et Galloway

Harpyrhynchoides phalaropus Bochkov & Galloway, 2013: 410; Bochkov, OConnor & Klompen, 2015: 28

Type locality: Manitoba, Winnipeg

Distribution: Canada

Host: *Phalaropus lobatus* (Charadriiformes: Scolopacidae)

Harpyrhynchoides pluvialis Bochkov, OConnor et Klompen

Harpyrhynchoides pluvialis Bochkov, OConnor & Klompen, 2015: 25

Type locality: Ohio, Wayne Co., Wooster, 40.83°N, 81.88°W

Distribution: USA

Host: *Pluvialis dominica* (Charadriiformes: Charadriidae)

Harpyrhynchoides psittaci (Fain)

Harpyrhynchus (*Harpyrhynchoides*) *psittaci* Fain, 1972: 55; 1994: 129

Harpyrhynchoides psittaci (Fain): Bochkov, OConnor & Klompen, 2015: 66

Type locality: Antwerp Zoo

Distribution: ?

Hosts: *Poicephalus senegalus*, *Psittacus erithacus* (Psittaciformes: Psittacidae)

Harpyrhynchoides psittaculae (Fain)

Harpyrhynchus (*Harpyrhynchoides*) *psittaculae* Fain, 1972: 52; 1994: 126

Type locality: Antwerp Zoo

Distribution: ?

Hosts: *Psittacula alexandri*, *P. cyanocephala* (Psittaciformes: Psittaculidae)

Harpyrhynchoides puffinus Mertins in Bochkov, OConnor et Klompen

Harpyrhynchoides puffinus Mertins in Bochkov, OConnor & Klompen, 2015: 35

Type locality: Florida, Atlantic Ocean adjacent to east cost of Martin Co.

Distribution: USA

Host: *Puffinus gravis* (Procellariiformes: Procellariidae)

Harpyrhynchoides rosellacinus (Lawrence)

Harpyrhynchus rosellacinus Lawrence, 1959: 238

Harpyrhynchus (Harpyrhynchoides) rosellacinus, Fain, 1994: 139

Harpyrhynchoides rosellacinus (Lawrence):

Type locality: Sydney

Distribution: Australia (incl. Tasmania)

Hosts: *Glossopsitta concinna*, *Lathamus discolor*, *Platyercus eximius*, *Trichoglossus chlorolepidotus*, *T. moluccanus* (Psittaciformes: Psittaculidae)

Harpyrhynchoides rubeculinus (Černý et Sixl)

Harpyrhynchus rubeculinus Černý & Sixl, 1971: 388

Harpyrhynchus (Harpyrhynchoides) rubeculinus (Černý et Sixl): Fain, 1994: 138

Harpyrhynchoides rubeculinus (Černý et Sixl): Fain, Bochkov & Mironov, 1999: 45; Bochkov & Literák, 2006: 140; 2008: 227; Bochkov & OConnor, 2013: 505; Bochkov, OConnor & Klompen, 2015: 51

Type locality: Brunnsee (Austria)

Distribution: Austria, Brazil, Czech Republic, France, USA

Hosts: *Erithacus rubecula* (Passeriformes: Muscicapidae, Saxicolinae), *Catharus ustulatus*, *Turdus amaurochalinus* (Pass.: Turdidae), *Pheucticus ludovicianus* (Pass.: Cardinalidae)

Harpyrhynchoides setophaga Bochkov et Klompen

Harpyrhynchoides setophaga Bochkov & Klompen, 2014c: 406; Bochkov, OConnor & Klompen, 2015: 50

Type locality: Winnipeg, Manitoba

Distribution: Canada

Host: *Setophaga ruticilla* (Passeriformes: Parulidae)

Harpyrhynchoides spizella Bochkov et Klompen

Harpyrhynchoides spizella Bochkov & Klompen, 2014a: 415

Type locality: California

Distribution: USA

Host: *Spizella passerina* (Passeriformes: Passerellidae)

***Harpyrhynchoides squamosus* (Fain)**

Harpyrhynchus (*Harpyrhynchoides*) *squamosus* Fain, 1972: 51; 1976: 126

Harpyrhynchoides squamosus (Fain): Bochkov, OConnor & Klompen, 2015: 65

Type locality: Antwerp Zoo

Distribution: ?

Host: *Psittacula cyanocephala* (Psittaciformes: Psittaculidae)

***Harpyrhynchoides tracheatus* (Fritsch)**

Harpyrhynchus tracheatus Fritsch, 1954: 180; Dubinin, 1957: 103

Harpyrhynchus (*Harpyrhynchoides*) *tracheatus*, Fain, 1994: 120

Harpyrhynchoides tracheatus (Fritsch); Bochkov & Literák, 2006: 140; Bochkov & Galloway, 2013: 412; Bochkov & OConnor, 2013: 505; Bochkov, OConnor & Klompen, 2015: 36

Type locality: Germany

Distribution: Canada, Germany, Luxemburg, USA

Hosts: *Buteo buteo*, *B. jamaicensis*, *B. lineatus* (Accipitriformes: Accipitridae)

***Harpyrhynchoides tyto* (Fain)**

Harpyrhynchus (*Harpyrhynchoides*) *tyto* Fain, 1972: 51; 1994: 112

Harpyrhynchoides tyto (Fain): Bochkov & Literák, 2006: 140

Type locality: Crupet, Namur

Distribution: Belgium

Host: *Tyto alba* (Strigiformes: Tytonidae)

***Harpyrhynchoides vercammeni* (Lawrence)**

Harpyrhynchus vercammeni Lawrence, 1959a: 423

Harpyrhynchus (*Harpyrhynchoides*) *vercammeni* Lawrence: Fain, 1994: 138

Harpyrhynchoides vercammeni (Lawrence): Bochkov, OConnor & Klompen, 2015: 63

Type locality: Luvungi, Ruzizi, Kivu

Distribution: DR Congo

Host: *Centropus toulou grilli* (Cuculiformes: Cuculidae)

***Harpyrhynchoides vulgaris* Bochkov et Galloway**

Harpyrhynchoides vulgaris Bochkov & Galloway, 2004: 27; Bochkov & Klompen 2014b: 409; Bochkov, OConnor & Klompen, 2015: 50

Type locality: Manitoba

Distribution: Canada

Hosts: *Haemorhous* [*Carpodacus*] *purpureus* (Passeriformes: Fringillidae), *Setophaga ruticilla* (Passeriformes: Parulidae)

Harpyrhynchoides xanthocephalus Bochkov et Klompen

Harpyrhynchoides xanthocephalus Bochkov & Klompen, 2014a: 212; Bochkov, O'Connor & Klompen, 2015: 51

Type locality: Nebraska: Cherry Co., Valentine

Distribution: USA

Host: *Xanthocephalus xanthocephalus* (Passeriformes: Icteridae)

Harpyrhynchoides zenaida Bochkov, O'Connor et Klompen

Harpyrhynchoides zenaida Bochkov, O'Connor & Klompen, 2015: 43

Type locality: Michigan, Washtenaw Co., Ann Arbor, UM Campus, 42.2793409°N, 83.7386084°W

Distribution: USA

Host: *Zenaida macroura* (Columbiformes: Columbidae)

Harpyrhynchoides zumpti (Fain)

Harpyrhynchus (*Harpyrhynchoides*) *zumpti* Fain, 1972: 54; 1994: 136; Bochkov & Galloway, 2001: 2017

Harpyrhynchus (*Harpyrhynchoides*) *diuca* Fain, 1972: 53. Type from Antwerp Zoo, on *Diuca diuca* (Passeriformes: Thraupidae)

Harpyrhynchoides zumpti (Fain): Bochkov & Galloway, 2001, 2004; Bochkov, O'Connor & Klompen, 2015: 48

Harpyrhynchoides kirgizorum Fain, Bochkov & Mironov, 1999: 42. Type loc.: Bishkek, Kirghizia, on *Emberiza calandra*. Syn. By Bochkov & Klompen, 2014c: 410

Type locality: Bloemenhof, Mafeking

Distribution: Canada, Kirghizia, South Africa

Hosts: *Eremopteryx leucotis* (Passeriformes: Alaudidae), *Diuca diuca* (Passeriformes: Thraupidae), *Quiscalus quiscula* (Passeriformes: Icteridae), *Emberiza calandra*, *Junco hyemalis* (Passeriformes: Emberizidae)

Genus *Harpirhynchus* Mégnin

Harpirhynchus Mégnin, 1878: 8 (written also *Harpyrhinchus* and *Harpyrynchus*)

Type species: *Sarcoptes nidulans* Nitzsch, 1818

Harpicephalus Canestrini, 1886: 170

Type species: *Sarcoptes nidulans* Nitzsch, 1818

Pseudoharpirhynchus Fain, Bochkov & Mironov, 1999: 39 (subgenus)

Type species: *Harpirhynchus agapornis* Fain, 1972

Harpirhynchus dusbabeki Bochkov et Literák

Harpyrhinchus nidulans Nitzsch, 1818: Henry et al., 2004: 34 (misidentification), Literák et al., 2005: 26 (misidentification)

Harpirhynchus dusbabeki Bochkov & Literák, 2006: 138

Type locality: Pusté Úľany (Slovakia)

Distribution: Austria, Croatia, Czech Rep., France, Poland, Slovakia

Host: *Panurus biarmicus* (Passeriformes: Panuridae)

Harpirhynchus galeridae Fain, Bochkov et Mironov

Harpirhynchus (*Harpirhynchus*) *galeridae* Fain, Bochkov & Mironov, 1999: 39; Bochkov & Literák, 2006: 140

Type locality: Azerbaijan

Distribution: Azerbaijan

Host: *Galerida cristata* (Passeriformes: Alaudidae)

Harpirhynchus longipilus Banks (sp. inquir.)

Harpirhynchus longipilus Banks, 1905a: 20; Fain, 1995: 99

Sarcopterus longipilis: Banks, 1905b: 135

Type locality: USA

Distribution: USA

Host: *Loxia* sp. (Passeriformes: Fringillidae)

Harpirhynchus nidulans (Nitzsch)

Sarcoptes nidulans Nitzsch, 1818, in Ersch-Gruber, Allg. Encyclop. Wissensch., 1: 250; synonymy in Oudemans, 1906: 75 – 76; 1936: 1132 – 1134

Sarcoptes palumbinus C.L. Koch, 1836: 5, 12; Lucas, 1840: 487; synonymy in Oudemans, 1936: 1134 – 1135

Sarcopterus nidulans: Giebel, 1871: 29; Murray, 1877: 314; Berlese, 1895: 5

Harpirhynchus nidulans Mégnin, 1877: 13; Literák et al., 2005: 26; Bochkov & Literák, 2006: 140

Harpicephalus nidulans: Canestrini, 1886: 170

? *Harpirhynchus megnini* Heim, 1892: 132

Sarcopterinus nidulans: Railliet, 1893: 697; Berlese, 1913: 130

Sarcoborus nidulans: Oudemans, 1906: 75

Harpyrhynchus nidulans (Nitzsch): Turk, 1953: 18; Jeleva, 1970: 63

Type locality: Germany

Distribution: Bulgaria, Czech Rep., England, Germany, Italy, Slovakia, Switzerland

Hosts: *Coccothraustes coccothraustes*, *Chloris chloris*, *Fringilla coelebs* (Passeriformes: Fringillidae), *Alauda arvensis*, *Galerida cristata* (Passeriformes: Alaudidae), *Locustella lanceolata* (Passeriformes: Locustellidae), *Panurus biarmicus* (Passeriformes: Panuridae), *Corvus corone* (Passeriformes: Corvidae), *Columba palumbus* (Columbiformes: Columbidae)

Harpirhynchus quasimodo Bochkov et Mertins

Harpirhynchus quasimodo Bochkov & Mertins, 2010: 83

Type locality: Florida

Distribution: USA (Florida)

Host: *Molothrus ater* (Passeriformes: Icteridae)

***Harpirhynchus* sp. 1**

Distribution: Turkey

Host: *Perdix* (Galliformes: Phasianidae)

***Harpirhynchus* sp. 2**

Distribution: SE Asia (McClure H. Elliott, N. Ratanaworadhan et al., 1973)

Host: *Eurystomus orientalis* (Coraciiformes: Coraciidae)

Genus ***Neharpyrhynchus*** Fain

Harpirhynchus (*Neharpyrhynchus*) Fain, 1972: 50

Neharpyrhynchus Fain, 1995: 78

Type species: *Harpirhynchus plumaris* Fritsch, 1954

Neharpyrhynchus agelaius Bochkov, OConnor et Klompen

Neharpyrhynchus agelaius Bochkov, OConnor & Klompen, 2015: 102

Type locality: Michigan, Oakland Co.

Distribution: USA

Host: *Agelaius phoeniceus* (Passeriformes: Icteridae)

Neharpyrhynchus baile Bochkov et Literák

Neharpyrhynchus baile: Bochkov & Literák, 2007: 35; Martinu et al. 2008: 207; Bochkov, OConnor & Klompen, 2015: 98

Type locality: Brazil

Distribution: Brazil, USA

Hosts: *Turdus leucomelas* (Passeriformes: Turdidae), *Dumetella carolinensis* (Passeriformes: Mimidae)

Neharpyrhynchus bochkovi Martinu, Dusbábek et Literák

Neharpyrhynchus bochkovi Martinu, Dusbábek & Literák, 2008: 198

Type locality: Jinacovice

Distribution: Czech Rep.

Host: *Turdus merula* (Passeriformes: Turdidae)

Neharpyrhynchus bombycilla Bochkov, OConnor et Klompen

Neharpyrhynchus bombycilla Bochkov, OConnor & Klompen, 2015: 96

Type locality: Michigan, Muskegon Co., Muskegon State game Area, US route 31, 43.2961989°N, 86.0668945°W

Distribution: USA

Host: *Bombycilla cedrorum* (Passeriformes: Bombycillidae)

Neharpyrhynchus campylorhynchus Bochkov, OConnor et Klompen

Neharpyrhynchus campylorhynchus Bochkov, OConnor & Klompen, 2015: 87

Type locality: USA

Distribution: USA

Host: *Campylorhynchus brunneicapillus* (Passeriformes: Troglodytidae)

Neharpyrhynchus chlorospingus Bochkov et Literák

Neharpyrhynchus chlorospingus Bochkov & Literák, 2011: 20; Bochkov, OConnor & Klompen, 2015: 108

Type locality: Cerro de la Mueste, 9°34'N, 83°45'W

Distribution: Costa Rica

Host: *Chlorospingus pileatus* (Passeriformes, Passerellidae)

Neharpyrhynchus domrowi Bochkov et Klompen

Neharpyrhynchus domrowi Bochkov & Klompen, 2015: 25

Type locality: New South Wales, Loddon Falls, 34.28 S, 150.9 E

Distribution: Australia, Papua New Guinea

Hosts: *Acanthorhynchus tenuirostris*, *Ptiloprora perstriata*, *Myzomela rodenbergii* (Passeriformes: Meliphagidae)

Neharpyrhynchus hippolae Bochkov

Neharpyrhynchus hippolae Bochkov, 2000a: 534; Bochkov & Literák, 2006: 140; Martinu, Dusbábek & Literák, 2008: 200

Type locality: Oskui, Novgorodskaya Oblast, Russia

Distribution: Czech Rep., Russia

Host: *Hippolais icterina* (Passeriformes: Sylviidae)

Neharpyrhynchus icterus Bochkov et OConnor

Neharpyrhynchus icterus Bochkov & OConnor, 2013: 506; Bochkov, OConnor & Klompen, 2015: 101

Type locality: California

Distribution: USA

Host: *Icterus galbula* (Passeriformes: Icteridae)

Neharpyrhynchus loxia Bochkov et Galloway

Neharpyrhynchus loxia Bochkov & Galloway, 2013: 413; Bochkov, OConnor & Klompen, 2015: 108

Type locality: Manitoba, Winnipeg

Distribution: Canada

Host: *Loxia curvirostra* (Passeriformes: Fringillidae)

Neharpyrhynchus mironovi Bochkov et Literák

Neharpyrhynchus mironovi Bochkov & Literák, 2011: 23; Bochkov, OConnor & Klompen, 2015: 104

Type locality: Minas Gerais, Belo Horizonte, Nova Lima

Distribution: Brazil

Host: *Dacnis cayana* (Passeriformes, Thraupidae)

Neharpyrhynchus novoplumaris (Moss, Oliver et Nelson)

Harpyrhynchus novoplumaris Moss, Oliver & Nelson, 1968: 377

Neharpyrhynchus novoplumaris: Fain, 1995: 85 (syn. of *N. plumaris*)

Neharpyrhynchus novoplumaris: Bochkov, 2000a: 537; Bochkov & OConnor, 2013: 508 (separate species); Bochkov, OConnor & Klompen, 2015: 108

Type locality: Hopland Field Station, Mendocino Co., California

Distribution: USA (California, Arizona, Kansas, Michigan, Missouri, Maryland, Nebraska, Wyoming, New Mexico), Mexico

Hosts: *Certhia familiaris* (Certhiidae), *Baeolophus [Parus] bicolor* (Paridae), *Kieneria [Pipilo, Melozone] fusca*, *Amphispiza bilineata*, *Spizella passerina*(Passerellidae), *Campylorhynchus brunneicapillus* (Troglodytidae), *Cardinalis cardinalis* (Cardinalidae), *Junco hyemalis*, *J. phaeonotus* (Emberizidae)(all Passeriformes)

Neharpyrhynchus oenanthe Bochkov

Neharpyrhynchus oenanthe Bochkov, 2014: 483

Type locality: Akanyaru

Distribution: Rwanda

Host: *Oenanthe oenanthe* (Passeriformes: Muscicapidae)

Neharpyrhynchus pari Martinu, Dusbábek & Literák

Neharpyrhynchus pari Martinu, Dusbábek & Literák, 2008: 201

Type locality: Czech Rep., Brno, Sobesice

Distribution: Czech Rep., USA ?

Hosts: *Baeolophus bicolor*, *Cyanistes caeruleus*, *Parus major*, *Periparus ater*, *Poecile montanus*, *P. palustris* (Passeriformes: Paridae)

Neharpyrhynchus picidarum Bochkov, OConnor et Klompen

Neharpyrhynchus picidarum Bochkov, OConnor & Klompen, 2015: 88

Type locality: Michigan, Oakland Co., Pontiac, 42.6110959°N, 83.2877398°W

Distribution: USA

Hosts: *Colaptes auratus*, *Melanerpes formicivorus*, *M. uropygialis*, *Picoides pubescens* (Piciformes: Picidae)

Neharpyrhynchus pilirostris (Berlese et Trouessart)

Harpirhynchus pilirostris Berlese & Trouessart, 1889: 137 – 138; Dubinin, 1957: 104; Lawrence, 1959b: 108

Sarcoborus pilirostris: Oudemans, 1906: 76

Sarcopterus pilirostris (Berlese et Trouessart) Berlese, 1894: fasc. 73, tav. 5, figs.1–5; nec *Sarcopterus nidulans* Nitzsch, 1818

Harpyrhynchus ovalis Fritsch, 1957: 193; Lawrence, 1959a: 424 (deutonymph)

Harpirhynchus (*Neharpyrhynchus*) Fain, 1972: 50

Neharpyrhynchus pilirostris (Berlese et Trouessart): Fain, 1995: 81; Bochkov, 2000a: 534; Bochkov & Literák, 2006: 140; Martinu, Dusbábek & Literák, 2008: 203; Bochkov & Galloway, 2013: 414; Bochkov, OConnor & Klompen, 2015: 101

Type locality: Blanc (Indre, France)

Distribution: Canada, Czech Rep., France, Germany, South Africa, USA

Hosts: *Passer domesticus* (Passeriformes: Passeridae), ? *Aegithalos caudatus* (Passeriformes: Aegithalidae)

Neharpyrhynchus plumaris (Fritsch)

Harpirhynchus plumaris Fritsch, 1954: 193

Harpyrhynchus plumaris: Dubinin, 1957: 108

Harpyrhynchus ovalis Fritsch, 1954: 192; Lawrence, 1959b: 108

? *Harpirhynchus novoplumaris* Moss et al., 1968: 377 (Fain, 1995)

Neharpyrhynchus novoplumaris, Fain, 1995: 85

Neharpyrhynchus plumaris (Fritsch): Bochkov, 2000a: 536; Martinu, Dusbábek & Literák, 2008: 203; Bochkov, OConnor & Klompen, 2015: 111

Type locality: Germany

Distribution: Czech Rep., Germany, Russia

Hosts: *Fringilla coelebs*, *Chloris chloris*, *Carduelis cannabina* (Passeriformes: Fringillidae), *Muscicapa striata* (Pass.: Muscicapidae), *Parus ater*, *P. palustris* (Passeriformes: Paridae), ? *Aythya ferina* (Anseriformes: Anatidae)

Neharpyrhynchus quisqualis Bochkov, OConnor et Klompen

Neharpyrhynchus quisqualis Bochkov, OConnor & Klompen, 2015: 98

Type locality: Michigan, Mecosta Co., 1.3 mi E Big Rapids, 43.698604°N, 85.4576146°W

Distribution: USA

Host: *Quisqualis quiscula* (Passeriformes: Icteridae)

Neharpyrhynchus schoenobaenus Martinu, Dusbábek et Literák

Neharpyrhynchus schoenobaenus Martinu, Dusbábek & Literák, 2008: 203

Type locality: Czech Rep., Sedlec

Distribution: Czech Rep.

Host: *Acrocephalus schoenobaenus* (Passeriformes: Acrocephalidae)

Neharpyrhynchus spinus Martinu, Dusbábek et Literák

Neharpyrhynchus spinus Martinu, Dusbábek & Literák, 2008: 204

Type locality: Česke Budejovice

Distribution: Czech Rep.

Host: *Spinus spinus* (Passeriformes: Fringillidae)

Neharpyrhynchus* aff. *spinus Martinu, Dusbábek et Literák

Type locality: Czech Rep.

Distribution: Paraguay (Literák, Bochkov & Franco, 2014)

Host: *Setophaga pitaiyumi* (Passeriformes: Parulidae)

Neharpyrhynchus spizella Bochkov, OConnor et Klompen

Neharpyrhynchus spizella Bochkov, OConnor & Klompen, 2015: 105

Type locality: California, Mendocino Co., Hopland Field Station, 39°N 123.08°W

Distribution: USA (California, Wyoming)

Host: *Spizella passerina* (Passeriformes: Passerellidae)

Neharpyrhynchus squamiferus (Fain)

Harpyrhynchus (*Neharpyrhynchus*) *squamiferus* Fain, 1972: 55

Neharpyrhynchus squamiferus (Fain): Fain, 1995: 80

Neharpyrhynchus squamifer (Fain): Bochkov, 2000a: 534

Type locality: India

Distribution: India

Host: *Temenuchus pagodarum* (Passeriformes: Sturnidae)

Neharpyrhynchus tangara Bochkov et Literák

Neharpyrhynchus tangara Bochkov & Literák, 2011: 20; Literák, Bochkov & Franco, 2014;

Bochkov, OConnor & Klompen, 2015: 104

Type locality: Minas Gerais, Belo Horizonte, Nova Lima, Água Limpa

20°13'S, 43°56'W (Brazil)

Distribution: Brazil, Paraguay, Peru

Hosts: *Paroaria capitata*, *P. capitata*, *Tangara cayana*, *Thraupis episcopus* (Passeriformes: Thraupidae)

Neharpyrhynchus trochilinus (Fain)

Harpyrhynchus (*Neharpyrhynchus*) *trochilinus* Fain, 1972: 55

Neharpyrhynchus trochilinus (Fain): Fain, 1995: 80; Bochkov, 2000a: 534; Bochkov & Literák, 2011: 28; Literák et al., 2012: 109; Literák, Bochkov & Franco, 2014: 184; Bochkov, OConnor & Klompen, 2015: 94

Type locality: Antwerp Zoo

Distribution: Brazil, Costa Rica, Paraguay, Peru

Hosts: *Amazilia lactea*, *Chlorostilbon lucidus*, *Chrysolampis moschitus*, *Eugenes fulgens*, *Panterpe insignis* (Trochiliformes: Trochilidae)

Neharpyrhynchus turdus Bochkov, OConnor et Klompen

Neharpyrhynchus turdus Bochkov, OConnor & Klompen, 2015: 92

Type locality: Michigan, Washtenaw Co., 4.4 mi ESE Saline, 42.1561503°N, 83.7180519°W

Distribution: USA

Host: *Turdus migratorius* (Passeriformes: Turdidae)

Neharpyrhynchus vireo Bochkov, OConnor et Klompen

Neharpyrhynchus vireo Bochkov, OConnor & Klompen, 2015: 104

Type locality: Florida, Leon Co., 30.49°N, 84.21°W

Distribution: USA

Host: *Vireo olivaceus* (Passeriformes: Vireonidae)

Genus ***Ralliharpirhynchus*** Fain

Ralliharpirhynchus Fain, 1995: 74

Type species: *Metharpyrhynchus porphyrio* Fain, 1972

Ralliharpirhynchus limnocarax (Fain)

Metharpyrhynchus limnocorax Fain, 1972: 56

Ralliharpirhynchus limnocorax: Fain, 1995: 74

Type locality: Kinshasa

Distribution: DR Congo

Host: *Limnocorax flaviceps* (Ralliformes: Rallidae)

Ralliharpirhynchus porphyrio (Fain)

Metharpyrhynchus porphyrio Fain, 1972: 56

Ralliharpirhynchus porphyrio, Fain, 1995: 74

Type locality: Antwerp Zoo

Distribution: ?

Host: *Porphyrio porphyrio* (Ralliformes: Rallidae)

Genus ***Trichorhynchiella*** Fain

Trichorhynchiella Fain, 1995: 75

Type species: *Trichorhynchiella paddae* Fain, 1995

Trichorhynchiella myiarchus Bochkov et Klompen

Trichorhynchiella myiarchus Bochkov & Klompen, 2014b: 304; Bochkov, OConnor & Klompen, 2015: 113

Type locality: unknown

Distribution: North America

Host: *Myiarchus crinitus* (Passeriformes: Tyrannidae)

Trichorhynchiella paddae Fain

Trichorhynchiella paddae Fain, 1995: 99

Type locality: Antwerp Zoo

Distribution: ?

Host: *Padda oryzivora* (Passeriformes: Estrildidae)

Trichorhynchiella phleocryptes Bochkov et OConnor

Trichorhynchiella phleocryptes Bochkov & OConnor, 2014a: 324; Bochkov, OConnor & Klompen, 2015: 117

Type locality: Argentina

Distribution: Argentina

Host: *Phleocryptes melanops* (Passeriformes: Furnariidae)

Tribus ***Metharpyrhynchini*** Fain

Metharpyrhynchini Fain, 1972: 56

Type genus: *Metharpyrhynchus* Fain, 1972

Genus ***Metharpyrhynchus*** Fain

Metharpyrhynchus Fain, 1972: 56

Type species: *Metharpyrhynchus macrophallus* Fain, 1972

Metharpyrhynchus jynx Fain

Metharpyrhynchus jynx Fain, 1972: 57

Type locality: Akanyaru

Distribution: Rwanda

Host: *Jynx ruficollis* (Piciformes: Picidae)

Metharpyrhynchus macrophallus Fain

Metharpyrhynchus macrophallus Fain, 1972: 56

Type locality: Antwerp Zoo

Distribution: ?

Host: *Padda oryzivora* (Passeriformes: Estrildidae)

Metharpyrhynchus mossi Fain

Metharpyrhynchus mossi Fain, 1995: 87

Type locality: Akanyaru, Eastern region of Rwanda

Distribution: Rwanda

Host: *Prinia subflava graueri* (Passeriformes: Cisticolidae)

***Metharpyrhynchus namibiensis* Fain**

Metharpyrhynchus namibiensis Fain, 1995: 87

Type locality: Arab

Distribution: Namibia

Host: *Philetairus socius* (Passeriformes: Ploceidae)

Tribus Perharpyrhynchini Fain

Tribus Perharpyrhynchini Fain, 1972: 57

Type genus: *Perharpyrhynchus* Fain, 1972

Genus *Perharpyrhynchus* Fain

Perharpyrhynchus Fain, 1972: 57

Type species: *Perharpyrhynchus jacana* Fain, 1972

***Perharpyrhynchus caprimulgus* Bochkov et Klompen**

Perharpyrhynchus caprimulgus Bochkov & Klompen, 2014: 313

Type locality: Mozambique

Distribution: Mozambique

Host: *Caprimulgus fossii* (Caprimulgiformes: Caprimulgidae)

***Perharpyrhynchus charadrius* Bochkov, OConnor et Klompen**

Perharpyrhynchus charadrius Bochkov, OConnor & Klompen, 2015: 80

Type locality: Michigan, Washtenaw Co., Ann Arbor, UM campus, 42.2793409°N,
83.7386084°W

Distribution: USA

Host: *Charadrius vociferus* (Charadriiformes: Charadriidae)

***Perharpyrhynchus elseyornis* Bochkov et Klompen**

Perharpyrhynchus elseyornis Bochkov & Klompen, 2014: 314

Type locality: Western Australia, Brooking Springs, 18.12°S, 125.58°E

Distribution: Australia

Host: *Elsayornis melanops* (Charadriiformes: Charadriidae)

***Perharpyrhynchus jacana* Fain**

Perharpyrhynchus jacana Fain, 1972: 57

Type locality: Antwerp Zoo

Distribution: South America

Host: *Jacana spinosa intermedia* (Charadriiformes: Jacanidae)

***Perharpyrhynchus recurvirostra* Fain**

Perharpyrhynchus recurvirostra Fain, 1976: 130

Type locality: Antwerp Zoo

Distribution: ?

Host: *Recurvirostra avocetta* (Charadriiformes: Scolopacidae)

Index of Harpirhynchinae and Harpypalpinae

(Names in bold are accepted as **valid**)

<i>accipiter</i> , <i>Harpyrhynchoides</i> 276	<i>brevis</i> , <i>Harpyrhynchoides</i> 276
<i>actitis</i> , <i>Harpyrhynchoides</i> 276	<i>brevis</i> , <i>Harpirhynchus</i> (incertae sedis) 278
<i>aegolius</i> , <i>Harpyrhynchoides</i> 276	<i>bubulcus</i> , <i>Harpyrhynchoides</i> 278
<i>agapornis</i> , <i>Harpyrhynchoides</i> 277	<i>butorides</i> , <i>Harpirhynchus</i> 278
<i>agapornis</i> , <i>Harpirhynchus</i> 277	<i>calidris</i> , <i>Harpyrhynchoides</i> 279
<i>agapornis</i> , <i>Harpyrhynchus</i> 277	<i>campylorhynchus</i> , <i>Neharpyrhynchus</i> 289
<i>agelaius</i> , <i>Neharpyrhynchus</i> 288	<i>capellae</i> , <i>Harpyrhynchoides</i> 279
<i>alaudinus</i> , <i>Harpyrhynchoides</i> 277	<i>capellae</i> , <i>Harpirhynchus</i> 279
<i>alectoris</i> , <i>Harpyrhynchoides</i> 277	<i>capellae</i> , <i>Harpyrhynchus</i> 279
<i>alectoris</i> , <i>Harpirhynchus</i> 277	<i>capitatus</i> , <i>Harpyrhynchoides</i> 279
<i>alectoris</i> , <i>Harpyrhynchus</i> 277	<i>capitatus</i> , <i>Harpyrhynchus</i> 279
<i>alexfaini</i> , <i>Crassacarus</i> 273	<i>caprimulgus</i> , <i>Perharpyrhynchus</i> 295
<i>amazonae</i> , <i>Harpyrhynchoides</i> 277	<i>charadrius</i> , <i>Harpyrhynchoides</i> 279
<i>amazonae</i> , <i>Harpirhynchus</i> 277	<i>charadrius</i> , <i>Perharpyrhynchus</i> 295
<i>anatum</i> , <i>Harpyrhynchoides</i> 277	<i>chlorospingus</i> , <i>Neharpyrhynchus</i> 289
<i>anatum</i> , <i>Harpyrhynchus</i> 277	<i>clamator</i> , <i>Harpyrhynchoides</i> 279
<i>Anharpyrhynchus</i> 272	<i>coccyzus</i> , <i>Harpyrhynchoides</i> 279
<i>apodus</i> , <i>Anharpyrhynchus</i> 273	<i>columbae</i> , <i>Harpyrhynchoides</i> 280
<i>apus</i> , <i>Harpyrhynchiella</i> 275	<i>columbae</i> , <i>Harpyrhynchus</i> 280
<i>artamus</i> , <i>Harpyrhynchoides</i> 277	<i>contopus</i> , <i>Fainharpyrhynchus</i> 275
<i>asio</i> , <i>Harpyrhynchoides</i> 278	<i>coturnix</i> , <i>Harpyrhynchoides</i> 280
<i>asio</i> , <i>Harpyrhynchus</i> 278	<i>coturnix</i> , <i>Harpirhynchus</i> 280
<i>athene</i> , <i>Harpyrhynchoides</i> 278	<i>coturnix</i> , <i>Harpyrhynchus</i> 280
<i>baile</i> , <i>Neharpyrhynchus</i> 288	<i>coxatus</i> , <i>Harpyrhynchus</i> 280
<i>bochkovi</i> , <i>Neharpyrhynchus</i> 288	<i>Crassacarus</i> 273
<i>bombycilla</i> , <i>Neharpyrhynchus</i> 288	<i>cristagalli</i> , <i>Harpyrhynchoides</i> 280
<i>botaurus</i> , <i>Harpyrhynchoides</i> 278	<i>crista-galli</i> , <i>Harpyrhynchus</i> 280
<i>butorides</i> , <i>Harpirhynchus</i> 278	<i>crista-galli</i> , <i>Sarcoborus</i> 280

- crotophaga*, *Harpyrhynchoides* 280
cylindripalpus, *Crassacarus* 274
cylindripalpus, *Harpirhynchus* 274
cylindripalpus, *Harpyrhynchus* 274
Cypsharpirhynchus 275
cypsiuri, *Cypsharpirhynchus* 275
cypsiuri, *Harpyrhynchiella* 275
cypsiuri, *Metharpyrhynchus* 275
diuca, *Harpyrhynchoides*
diuca, *Harpyrhynchus* 286
domrowi, *Neharpyrhynchus* 289
dubinini, *Harpypalpus* 271
dusbabeki, *Harpirhynchus* 286
elizae, *Anharpyrhynchus* 273
elzeyornis, *Perharpyrhynchus* 295
Fainharpirhynchus 274
fritschi, (*Anharpyrhynchus*) 273
fritschi, *Crassacarus* 274
galeridae, *Harpirhynchus* 287
gallowayi, *Harpyrhynchoides* 281
Harpicephalus 286
Harpirhynchus 286
Harpirhynchidae 269
Harpirhynchinae 272
Harpyrhynchini 272
Harpypalpinae 269
Harpypalpoides 269
Harpypalpus 270
Harpyrhynchiella 275
Harpyrhynchoides 276
heatherae, *Harpyrhynchoides* 281
herodius, *Harpyrhynchoides* 281
herodius, *Harpirhynchus*
herodius, *Harpyrhynchus* 281
hippolae, *Neharpyrhynchus* 289
hirundinis, *Harpypalpus* 269
hirundinis, *Harpypalpoides* 269
hirundinoides, *Harpypalpoides* 269
holopus, *Harpypalpus* 271
holopus, *Harpirhynchus* 271
holopus, *Sarcoborus* 271
icterus, *Neharpyrhynchus* 289
ixobrychus, *Harpyrhynchoides* 281
jacana, *Perharpyrhynchus* 295
johnstoni, *Harpypalpoides* 269
jynx, *Metharpyrhynchus* 294
kakatoe, *Harpyrhynchoides* 281
kakatoe, *Harpyrhynchus* 281
kirgizorum, *Harpyrhynchoides* 285
lamoralis, *Harpyrhynchus oenae* 282
lamoralis, *Harpyrhynchus* 282
lawrencei, *Harpyrhynchoides* 281
lawrencei, *Harpirhynchus* 282
lawrencei, *Harpyrhynchus* 281
legatus, *Fainharpirhynchus* 275
leptoptilus, *Harpyrhynchoides*
leptoptilus, *Harpyrhynchus*
lesickii, *Harpypalpoides* 269
limnocorax, *Methaharpyrhynchus* 293
limnocorax, *Ralliharpirhynchus* 293
lonchura, *Harpypalpus* 271
longipes, *Harpypalpus* 271
longipes, *Harpyrhynchus* 271
longipilus, *Harpirhynchus* (sp. inquir.) 287
longipilis, *Sarcopterus* 287
loxia, *Neharpyrhynchus* 289
lukoschusi, *Anharpyrhynchus* 273
lukoschusi, *Harpypalpoides* 270
macrophallus, *Metharpyrhynchus* 284
megnini, *Harpirhynchus* 287
megascops, *Harpyrhynchoides* 282
melanerpis, *Crassacarus* 274
Metharpyrhynchini 294
Metharpyrhynchus 294
metropeliae, *Harpyrhynchoides* 282
metropeliae, *Harpyrhynchus* 282
mironovi, *Neharpyrhynchus* 290
modestus, *Harpyrhynchoides* 282
modestus, *Harpyrhynchus* 282
monstrosus, *Anharpyrhynchus* 273
monstrosus, *Harpyrhynchus* 273
mossi, *Fainharpirhynchus* 275

- mossi*, *Metharpyrhynchus* 294
myiarchus, *Trichorhynchiella* 294
namibiensis, *Harpyrpalpoides* 270
namibiensis, *Metharpyrhynchus* 295
Neharpyrhynchus 288
nidulans, *Harpicephalus* 287
nidulans, *Harpirhynchus* 287
nidulans, *Harpyrhynchus* 287
nidulans, *Sarcoborus* 287
nidulans, *Sarcopterinus* 287
nidulans, *Sarcoptes* 287
novoplumaris, *Harpirhynchus* 290
novoplumaris, *Neharpyrhynchus* 290
numidae, *Harpyrhynchoides* 282
numidae, *Harpirhynchus* 282
numidae, *Harpyrhynchus* 282
oenae, *Harpyrhynchoides* 282
oenae, *Harpyrhynchus* 282
oenanthe, *Neharpyrhynchus* 290
ovalis, *Harpyrhynchus* 291
paddae, *Trichorhynchiella* 294
palumbinus, *Sarcoptes* 287
parazumpti, *Harpyrhynchoides* 283
pari, *Neharpyrhynchus* 290
pectinifer, *Harpyrhynchoides* 283
pectinifer, *Harpirhynchus* 283
pectinifer, *Harpyrhynchus* 283
Perharpyrhynchini 295
Perharpyrhynchus 295
phalaropus, *Harpyrhynchoides* 283
phleocryptes, *Trichorhynchiella* 294
picidarum, *Neharpyrhynchus* 290
pilirostris, *Harpirhynchus* 291
pilirostris, *Neharpyrhynchus* 291
pilirostris, *Sarcoborus* 291
pilirostris, *Sarcopterus* 291
plumaris, *Harpirhynchus* 291
plumaris, *Neharpyrhynchus* 291
pluvialis, *Harpyrhynchoides* 283
porphyrio, *Metharpyrhynchus* 293
porphyrio, *Ralliharpirhynchus* 293
Pseudoharpirhynchus 276
psittaci, *Harpyrhynchoides* 283
psittaci, *Harpyrhynchus* 283
psittaculae, *Harpyrhynchoides* 283
psittaculae, *Harpyrhynchus* 283
puffinus, *Harpyrhynchoides* 284
pyrrhula, *Harpyrpalpus* 271
quasimodo, *Harpirhynchus* 287
quiscalus, *Neharpyrhynchus* 291
Ralliharpirhynchus 293
recurvirostra, *Perharpyrhynchus* 296
reductus, *Harpyrhynchiella* 276
reductus, *Harpyrhynchus* 276
regulus, *Harpyrpalpoides* 270
rosellacinus, *Harpyrhynchoides* 284
rosellacinus, *Harpyrhynchus* 284
rubeculinus, *Harpyrhynchoides* 284
rubeculinus, *Harpyrhynchus* 284
Sarcoborus 280
Sarcopterinus 287
schoenobaenus, *Neharpyrhynchus* 291
serini, *Harpyrpalpus* 271
setophaga, *Harpyrhynchoides* 284
sialia, *Crassacarus* 274
sitta, *Harpyrpalpoides* 270
spermestes, *Harpyrpalpus* 272
spinus, *Neharpyrhynchus* 292
spizella, *Harpyrhynchoides* 284
spizella, *Neharpyrhynchus* 292
squamifer, *Neharpyrhynchus* 292
squamiferus, *Neharpyrhynchus* 292
squamiferus, *Harpirhynchus* 292
squamosus, *Harpyrhynchoides* 285
squamosus, *Harpyrhynchus* 285
sturnus, *Harpyrpalpus* 272
sylvia, *Harpyrpalpoides* 270
tabescentium, *Harpyrhynchus*
 (Berthold, 1845) - unknown
taeniopygia, *Harpyrpalpus* 272
tangara, *Neharpyrhynchus* 292
tiarae, *Harpyrpalpus* 272

tinae, *Crassacarus* 274
tracheatus, *Harpyrhynchoides* 285
tracheatus, *Harpyrhynchus* 285
tracheatus, *Harpyrhynchus* 285
Trichorhynchiella 293
trochilinus, *Harpyrhynchus* 292
trochilinus, *Neharpyrhynchus* 292
turdus, *Neharpyrhynchus* 293
tyto, *Harpyrhynchoides* 285

tyto, *Harpyrhynchus* 285
vercammeni, *Harpyrhynchoides* 285
vercammeni, *Harpyrhynchus* 285
vireo, *Neharpyrhynchus* 293
vulgaris, *Harpyrhynchoides* 285
xanthocephalus, *Harpyrhynchoides* 286
zenaida, *Harpyrhynchoides* 286
zumpti, *Harpyrhynchoides* 286
zumpti, *Harpyrhynchus* 286

Distribution of Harpirhynchinae and Harpypalpinae

EUROPE

Austria (Černý & Sixl, 1971; Bochkov & Literák, 2006) – *Harpirhynchus dusbabeki*, *Harpyrhynchoides rubeculinus*

Azerbaijan (Fain, Bochkov & Mironov, 1999) – *Harpirhynchus galeridae*

Belgium (Fain, 1972; Fain, Bochkov & Mironov, 1999) – *Anharpyrhynchus monstrosus*, *Harpypalpus holopus*, *Harpyrhynchoides asio*, *H. columbae*, *H. herodius*, *H. tyto*

Bulgaria (Jeleva, 1970) – *Harpirhynchus nidulans*

Croatia (Bochkov & Literák, 2006) – *Harpirhynchus dusbabeki*

Czech Rep. (Literák et al., 2005; Bochkov & Literák, 2006, 2008; Martinu, Dusábek & Literák, 2008) – *Harpyrhynchoides rubeculinus*, *Harpirhynchus dusbabeki*, *H. nidulans*, *Neharpyrhynchus bochkovi*, *N. hippolae*, *N. pari*, *N. pilirostris*, *N. plumaris*, *N. schoenobaenus*, *N. spinus*

France (contin.) (Berlese & Trouessart, 1889; Fain, Bochkov & Mironov, 1999; Bochkov & Literák, 2006) – *Harpyrhynchoides alaudinus*, *H. capellae*, *H. rubeculinus*, *Harpirhynchus dusbabeki*, *Neharpyrhynchus pilirostris*

Germany (Fritsch, 1954; Bochkov, OConnor & Klompen, 2015) – *Anharpyrhynchus monstrosus*, *Harpyrhynchiella reductus*, *Harpyrhynchoides capellae*, *H. cylindripalpis*, *H. parazumpti*, *H. tracheatus*, *Harpyrhynchus nidulans*, *Neharpyrhynchus pilirostris*, *N. plumaris*

Great Britain (Turk, 1953) – *Harpirhynchus nidulans*

Holland (the Netherlands) (Lombert & Moss, 1983; Bochkov & Klompen, 2014a) – *Harpypalpoides hirundinoides*, *H. johnstoni*, *H. lukoschusi*, *H. regulus*, *H. sylvia*, *Harpypalpus longipes*, *H. pyrrhula*, *H. sturnus*, *Harpirhynchiella reductus*, *Harpyrhynchoides herodius*

Italy (contin.) (Canestrini, 1886; Berlese & Trouessart, 1889) – *Harpirhynchus nidulans*, *Harpypalpus holopus*

Luxemburg (Fain, 1994) – *Harpyrhynchoides tracheatus*

Moldavia (Fain, Bochkov & Mironov, 1999) – *Harpyrhynchoides parazumpti*

- Poland** (Skoracki, Bochkov & Sikora, 2004; Bochkov & Literák, 2006) – *Harpypalpoides lesickii*, *H. lukoschusi*, *Harpypalpus longipes*, *Harpirhynchus dusbabeki*
- Russia (all, continent.)** (Bochkov, 2000a, 2000b, 2015) – *Harpyrhynchiella apus*, *Harpyrhynchoides alaudinus*, *Neharpyrhynchus hippolae*, *N. plumaris*
- Slovakia** (Literák et al., 2005; Bochkov & Literák, 2006) – *Harpirhynchus dusbabeki*, *H. nidulans*
- Spain (cont.)** (Fain, Bochkov & Mironov, 1999) – *Harpyrhynchoides alectoris*
- Switzerland** (Fain, 1995) – *Harpirhynchus nidulans*
- Turkey** (Aksin & Erdoğan, 2005) – *Harpirhynchus* sp.

AFRICA

- Congo DR** (Fain, 1972; Fain, Bochkov & Mironov, 1999) – *Harpyrhynchiella* [*Cypsharpirhynchus*] *cypsiuri*, *Harpypalpoides hirundinis*, *Harpypalpus spermestes*, *Harpyrhynchoides vercammeni*, *Ralliharpirhynchus limnocorax*,
- Mozambique** (Bochkov & Klompen, 2014) – *Perharpyrhynchus caprimulgus*
- Namibia** (Fain, 1995; Fain, Bochkov & Mironov, 1999) – *Metharpyrhynchus namibiensis*, *Harpypalpoides namibiensis*, *Harpyrhynchoides cristagalli*
- Rwanda** (Fain, 1994, 1995; Bochkov, 2015) – *Harpyrhynchoides pectinifer*, *Metharpyrhynchus jynx*, *M. mossi*, *Neharpyrhynchus oenanthe*
- South Africa** (Lawrence, 1959; Fain, 1972; Bochkov, 2015) – *Harpyrhynchoides clamator*, *H. cristagalli*, *H. pectinifer*, *H. pilirostris*, *H. zumpti*, *Harpirhynchus agapornis*
- Togo** (Fain, 1972) – *Cypsharpirhynchus cypsiuri*
- Zimbabwe** (Fain, 1994) – *Harpyrhynchoides pectinifer*
- Central Africa** (Fain, Bochkov & Mironov, 1999) – *Harpypalpus tiarae*
- Africa** (Lawrence, 1959b) – *Harpyrhynchoides numidae*

ASIA

- India** (Fain, 1972) – *Neharpyrhynchus squamiferus*
- Kazakhstan** (Bochkov & Klompen, 2014a) – *Harpypalpoides johnstoni*, *H. lesickii*
- Kirghizstan** (Fain, Bochkov & Mironov, 1999) – *Harpyrhynchoides kirgizorum*
- Malaysia** (Berlese & Trouessart, 1889) – *Harpypalpus* sp. pr. *holopus*
- SE Asia** (Bochkov & Klompen, 2015) – *Harpyrhynchoides artamus*

NORTH AMERICA

- Canada** (Bochkov & Galloway, 2001, 2004; 2013; Bochkov & Klompen, 2014; Bochkov, O'Connor & Klompen, 2015) – *Fainharpyrhynchus contopus*, *Harpyrhynchoides actitis*, *H. botaurus*, *H. gallowayi*, *H. heatherae*, *H. modestus*, *H. phalaropus*, *H. setophaga*, *H. tracheatus*, *H. vulgaris*, *H. zumpti*, *Neharpyrhynchus loxia*, *N. pilirostris*
- Mexico** (Bochkov, O'Connor & Klompen, 2015) – *Junco phaeonotus*
- USA** (Banks, 1905; Chaddock, 1941; Boyd, 1968; Moss, Oliver & Nelson, 1968; Moss, Mitchell & Johnston, 1970; Bochkov & Mertins, 2010; Spelding et al., 2010; Bochkov

& OConnor, 2013; Bochkov & Klompen, 2014a, b; Bochkov, OConnor & Klompen, 2015) – *Anharpyrhynchus elizae*, *Crassacarus alexfaini*, *C. fritschi*, *C. melanerpes*, *C. sialia*, *C. tinae*, *Fainharpirhynchus contopus*, *Harpypalpoides sitta*, *Harpyrhynchoides accipiter*, *H. aegolius*, *H. athene*, *H. bubulcus*, *H. butorides*, *H. calidris*, *H. charadrius*, *H. coccyzus*, *H. herodius*, *H. ixobrychus*, *H. megascops*, *H. parazumpti*, *H. pectinifer*, *H. pluvialis*, *puffinus*, *H. rubeculinus*, *H. spizella*, *H. tracheatus*, *H. xanthocephalus*, *H. zenaida*, *Harpirhynchus quasimodo*, *H. longipilis*, *Neharpyrhynchus agelaius*, *N. baile*, *N. bombycilla*, *N. campylorhynchus*, *N. icterus*, *N. novoplumaris*, ? *N. pari*, *N. quiscalus*, *N. picidarum*, *N. pilirostris*, *N. spizella*, *N. turdus*, *N. vireo*, *Perharpyrhynchus charadrius*

North America (Bochkov & Klompen, 2014b) – *Trichorhynchiella myiarchus*

SOUTH and CENTRAL AMERICA

Argentina (Bochkov & OConnor, 2014) – *Trichorhynchiella phleocryptes*

Brazil (Bochkov & Literák, 2007, 2011; Bochkov, OConnor & Klompen, 2015) – *Neharpyrhynchus baile*, *N. mironovi*, *N. rubeculinus*, *N. tangara*, *N. trochilinus*

Costa Rica (Bochkov & Literák, 2011) – *Neharpyrhynchus chlorospingus*, *N. trochilinus*

Paraguay (Literák, Bochkov & Franco, 2014) – *Neharpyrhynchus tangara*, *N. trochilinus*, *N. aff. spinus*

Peru (Literák et al., 2012) – *Neharpyrhynchus tangara*, *N. trochilinus*

Suriname (Bochkov, OConnor & Klompen, 2015) – *Harpyrhynchoides crotophaga*

Trinidad and Tobago (Bochkov & Klompen, 2014) – *Fainharpirhynchus legatus*

South America (Fain, 1972) – *Harpyrhynchoides amazonae*, *H. metropeliae*, *Neharpirhynchus trochilinus*, *Perharpyrhynchus jacana*

OCEANIA

Australia (continent)(Fain, 1972; Moss, 1979a; Filippich & Domrow, 1985; Domrow, 1991; Bochkov & Klompen, 2014a, 2015) – *Anharpyrhynchus apodus*, *A. lukoschusi*, *A. monstrosus*, *Harpypalpus lonchura*, *H. taeniopygia*, *Harpyrhynchoides kakatoe*, *H. rosellacinus*, *Neharpyrhynchus domrowi*, *Perharpyrhynchus elseyornis*

Tasmania – *Harpyrhynchoides rosellacinus*

Papua New Guinea (Bochkov & Klompen, 2015) – *Neharpyrhynchus domrowi*

Unknown distribution (Zoo birds): *Harpypalpus dubinini*, *H. serini*, *Harpyrhinchoides amazonae*, *H. anatum*, *H. capitatus*, *H. coturnix*, *H. coxatus*, *H. diuca*, *H. lawrencei*, *H. leptopilus*, *H. metropeliae*, *H. modestus*, *H. oenae oenae*, *H. oenae*, *H. lamorali*, *H. psittaci*, *H. psittaculae*, *H. squamosus*, *H. trochilinus*, *Ralliharpirhynchus porphyrio*, *Trichorhynchiella paddae*, *Metharpyrhynchus macrophallus*, *Perharpyrhynchus recurvirostra*, *P. jacana*

Hosts of Harpirhynchinae and Harpypalpinae

Aves

Accipitriformes

Fam. Accipitridae

Accipiter striatus – *Harpyrhynchoides accipiter*

Buteo buteo – *Harpyrhynchoides tracheatus*

B. jamaicensis – *Harpyrhynchoides tracheatus*

B. lineatus – *Harpyrhynchoides tracheatus*

Anseriformes

Fam. Anatidae

Anas querquedula – *Harpyrhynchoides anatum*

Aythya ferina – *Neharpyrhynchus plumaris* (doubtful – see Bochkov & Litrák, 2006)

Apodiformes

Fam. Apodidae

Apus affinis – *Harpyrhynchiella* [*Cypsharpyrhynchus*] *cypsiuri*

A. apus – *Harpyrhynchiella reductus*

Cypsiurus parvus – *Harpyrhynchiella* [*Cypsharpyrhynchus*] *cypsiuri*

Fam. Trochilidae

Amazilia lactea – *Neharpyrhynchus trochilinus*

A. chionogaster – *Neharpyrhynchus trochilinus*

Chlorostilbon lucidus – *Neharpyrhynchus trochilinus*

Chrysolampis moschitus – *Neharpyrhynchus trochilinus*

Eugenes fulgens – *Neharpyrhynchus trochilinus*

Panterpe insignis – *Neharpyrhynchus trochilinus*

Caprimulgiformes

Fam. Caprimulgidae

Caprimulgus fossii – *Perharpyrhynchus caprimulgus*

Charadriiformes

Fam. Charadriidae

Charadrius vociferus – *Harpyrhynchoides charadrius*, *Perharpyrhynchus charadrius*

Elseyornis melanops – *Perharpyrhynchus elseyornis*

Pluvialis dominica – *Harpyrhynchoides pluvialis*

Fam. Jacanidae

Jacana spinosa intermedia – *Perharpyrhynchus jacana*

Fam. Scolopacidae

Actitis macularius – *Harpyrhynchoides actitis*

Calidris minutilla – *Harpyrhynchoides calidris*

Gallinago gallinago – *Harpyrhynchoides capellae*
Lymnocyrtus minimus – *Harpyrhynchoides capellae*
Phalaropus lobatus – *Harpyrhynchoides phalaropus*
Recurvirostra avocetta – *Perharpyrhynchus recurvirostra*

Ciconiiformes

Fam. Ciconiidae

Leptoptilus crumeniferus – *Harpyrhynchoides leptoptilus*

Coliiformes

Fam. Coliidae

Colius colius – *Harpyrhynchoides cristagalli*
C. striatus – *Harpyrhynchoides cristagalli*

Columbiformes

Fam. Columbidae

Columba livia domestica – *Harpyrhynchoides columbae*
C. livia – *Harpyrhynchoides gallowayi*, *H. modestus*
C. palumbus – *Harpyrhynchus nidulans* (= *palumbinus*)
Columbigallina talpacoti – *Harpyrhynchoides capitatus*, *H. coxatus*
Columbina cruziana – *Harpyrhynchoides coxatus*
Metropelia caeciliae – *Harpyrhynchoides metropeliae*, *H. modestus*
Oena capensis – *Harpyrhynchoides oenae*
Scardafella squamata – *Harpyrhynchoides coxatus*
Tympanistria tympanistria – *Harpyrhynchoides oenae* [lamorali]
Zenaida macroura – *Harpyrhynchoides zenaida*

Cuculiformes

Fam. Cuculidae

Clamator jacobinus – *Harpyrhynchoides clamator*
Coccyzus americanus – *Harpyrhynchoides coccyzus*
C. erythrophthalmus – *Harpyrhynchoides coccyzus*
Crotophaga cardinalis – *Harpyrhynchoides crotophaga*

Galliformes

Fam. Phasianidae

Alectoris graeca – *Harpyrhynchoides alectoris*
A. rufa – *Harpyrhynchoides alectoris*
Coturnix delegorguei – *Harpyrhynchoides coturnix*

Fam. Numididae

Numida meleagris – *Harpyrhynchoides numidae*

Charadriiformes

Fam. Charadriidae

Charadrius vociferus – *Perharpyrhynchus charadrius*
Elsayornis melanops – *Perharpyrhynchus elsayornis*

Fam. Scolopacidae

Phalaropus lobatus – *Harpyrhynchoides phalaropus*

Passeriformes**Fam. Acrocephalidae**

Acrocephalus schoenobaenus – *Neharpyrhynchus schoenobaenus*

Fam. Aegithalidae

Aegithalos caudatus – *Neharpyrhynchus pilirostris* (?)

Fam. Alaudidae

Alauda arvensis – *Harpyrhynchoides alaudinus*, *Harpirhynchus nidulans*

Galerida cristata – *Harpirhynchus galeridae*, *H. nidulans*

Eremopterix leucotis – *Harpyrhynchoides zumpti*

Fam. Artamidae

Artamus fuscus – *Harpyrhynchoides artamus*

Fam. Bombycillidae

Bombycilla cedrorum – *Crassacarus fritschi*, *Neharpyrhynchus bombycilla*

Fam. Cardinalidae

Cardinalis cardinalis – *Crassacarus alexfaini*, *Neharpyrhynchus novoplumaris*

Passerina ciris – *Crassacarus cylindripalpus*

Pheucticus ludovicianus – *Harpyrhynchoides rubeculinus*

Fam. Certhiidae

Certhia familiaris – *Neharpyrhynchus novoplumaris*

Fam. Cisticolidae

Prinia subflava graueri – *Metharpyrhynchus mossi*

Fam. Corvidae

Corvus brachyrhynchus – *Harpyrhynchoides parazumpti*

C. corone – *Harpirhynchus nidulans*

C. frugilegus – *Harpyrhynchoides parazumpti*

C. monedula – *Anharpyrhynchus monstrosus*, *Harpyrhynchoides parazumpti*

Cyanocitta cristata – *Anharpyrhynchus elizae*

C. stelleri – *Anharpyrhynchus elizae*

Garrulus glandarius – *Anharpyrhynchus monstrosus*

Nucifraga caryocatactes – *Harpyrpalpus longipes*

Xanthoura yncas luxuosa – *Anharpyrhynchus monstrosus*

Fam. Emberizidae

Emberiza calandra – *Harpyrhynchoides kirgizorum*

E. cioides – *Harpirhynchus* sp.

E. impetuani – *Harpyrpalpoides namibiensis*

Junco hyemalis – *Harpyrhynchoides heatherae*, *H. zumpti*, *Neharpyrhynchus novoplumaris*

J. phaeonotus – *Neharpyrhynchus novoplumaris*

Fam. Estrildidae

Lonchura castaneothorax – *Harpyrpalpus lonchura*

Padda oryzivora – *Metharpyrhynchus macrophallus*, *Trichorhynchiella paddae*

Taeniopygia guttata – *Harpyrpalpus taeniopygia*

Fam. Fringillidae

- Amphispiza bilineata* – *Neharpyrhynchus novoplumaris*
Chloris chloris – *Harpirhynchus nidulans*, *Neharpyrhynchus plumaris*
Carduelis cannabina – *Harpypalpoides lesickii*, *Harpypalpus longipes*, *Neharpyrhynchus plumaris*
C. tristis – *Crassacarus tinae*
Coccothraustes coccothraustes – *Harpirhynchus nidulans*, *Harpypalpoides lesickii*
C. vespertina – *Harpyrhynchoides brevis*
Fringilla coelebs – *Harpypalpoides johnstoni*, *Harpirhynchus cylindripalpus*, *H. nidulans*, *Neharpyrhynchus plumaris*
F. montifringilla – *Harpypalpoides johnstoni*
Loxia curvirostra – *Harpyrhynchoides brevis*, *Neharpyrhynchus loxia*
Loxia sp. – “*Harpirhynchus longipilus*”
Pyrrhula pyrrhula – *Harpypalpus pyrrhula*
Serinus mozambicus – *Harpypalpus serini*
Spinus spinus – *Harpypalpus longipes*, *Neharpyrhynchus spinus*

Fam. Furnariidae

- Phleocryptes melanops* – *Trichorhynchiella phleocryptes*

Fam. Hirundinidae

- Hirundo rustica* – *Harpypalpoides hirundinoides*
Psalidoprocne sp. – *Harpypalpoides hirundinis*

Fam. Icteridae

- Agelaius phoeniceus* – *Neharpyrhynchus agelaius*
Icterus galbula – *Neharpyrhynchus icterus*
Molothrus ater – *Harpirhynchus quasimodo*
Quiscalus quiscula – *Neharpyrhynchus quiscula*
Xanthocephalus xanthocephalus – *Harpypalpoides xanthocephalus*

Fam. Locustellidae

- Locustella lanceolata* – *Harpirhynchus nidulans*

Fam. Meliphagidae

- Acanthorhynchus tenuirostris* – *Neharpyrhynchus domrowi*
Certhionyx pectoralis – *Anharpyrhynchus lukoschusi*
Gliciphila indistincta – *Anharpyrhynchus monstrosus*
Lichmera indistincta – *Anharpyrhynchus apodus*
Manorina flavigula – *Anharpyrhynchus lukoschusi*
Meliornis novaehollandiae – *Anharpyrhynchus monstrosus*
Myzantha flavigula – *Anharpyrhynchus monstrosus*
Myzomela pectoralis – *Anharpyrhynchus monstrosus*
M. rosenbergii – *Neharpyrhynchus domrowi*
Phylidonyris novaehollandiae – *Anharpyrhynchus apodus*

Ptiloprora perstriata – *Neharpyrhynchus domrowi*

Fam. Mimidae

Dumetella carolinensis – *Neharpyrhynchus baile*

Fam. Muscicapidae

Erithacus rubecula – *Harpyrhynchoides rubeculinus*

Luscinia svecica – *Harpyrpalpus holopus*

Muscicapa striata – *Neharpyrhynchus plumaris*

Oenanthe oenanthe – *Neharpyrhynchus oenanthe*

Fam. Panuridae

Panurus biarmicus – *Harpirhynchus nidulans*

Fam. Paridae

Baeolophus bicolor – *Neharpyrhynchus pari* [novoplumaris ?]

Cyanistes caeruleus – *Harpyrpalpus longipes*, *Neharpyrhynchus pari*

P. major – *Harpyrpalpus longipes*, *Neharpyrhynchus pari*

Periparus ater – *Neharpyrhynchus pari*, [N. plumaris]

Poecile atricapillus – *Harpyrpalpus longipes*

P. montanus – *Neharpyrhynchus pari*

P. palustris – *Neharpyrhynchus pari*, [N. plumaris]

Fam. Parulidae

Setophaga petechia – *Crassacarus alexfaini*

S. pitiayumi – *Neharpyrhynchus* aff. *spinus*

S. ruticilla – *Harpyrhynchoides setophaga*, *H. vulgaris*

Fam. Passerellidae

Amphispiza bilineata – *Neharpyrhynchus novoplumaris*

Chlorospingus pileatus – *Neharpyrhynchus chlorospingus*

Kieneria [Pipilo, Melozone] *fusca* – *Neharpyrhynchus novoplumaris*

Passerina ciris – *Crassacarus alexfaini*

Spizella passerina – *Neharpyrhynchus novoplumaris*, *N. spizella*

Fam. Passeridae

Passer domesticus – *Harpyrpalpus holopus*, *Neharpyrhynchus piliristris*

Fam. Ploceidae

Ploceus [Sitagra] *intermedius* – *Harpyrpalpus dubinini*

Ploceus [Spermestes] *cucullatus* – *Harpyrpalpus spermestes*

Fam. Regulidae

Regulus regulus – *Harpyrpalpoides regulus*

Fam. Sittidae

Sitta pygmaea – *Harpyrpalpoides sitta*

Fam. Sturnidae

Temenuchus pagodarum – *Neharpyrhynchus squamiferus*

Fam. Sylviidae

Hippolais icterina – *Neharpyrhynchus hippolae*

Sylvia atricapilla – *Harpyrpalpoides sylvia*

Fam. Thraupidae

- Dacnis cayana* – *Neharpyrhynchus mironovi*
Diuca diuca – *Harpyrhynchoides diuca*, *H. zumpti*
Paroaria capitata – *Neharpyrhynchus tangara*
P. coronata – *Neharpyrhynchus tangara*
Tangara cayana – *Neharpyrhynchus tangara*
Thraupis episcopus – *Neharpyrhynchus tangara*
Tiaris canora – *Harpyrpalpus tiarae*

Fam. Timaliidae

- Panurus biarmicus* – *Harpirhynchus dusbabeki*

Fam. Troglodytidae

- Campylorhynchus brunneicapillus* – *Neharpyrhynchus campylochirus*, *N. novoplumaris*
Troglodytes troglodytes – *Harpyrpalpus longipes*

Fam. Turdidae

- Catharus ustulatus* – *Harpyrhynchoides rubeculinus*
Sialia currucoides – *Crassacarus sialia*
Turdus leucomelas – *Neharpyrhynchus baile*
T. merula – *Harpyrpalpoides lukoschusi*, *Neharpyrhynchus bochkovi*
T. migratorius – *Neharpyrhynchus turdus*
T. pilaris – *Harpyrpalpoides lukoschusi*
T. amaurochalinus – *Harpyrpalpoides rubeculinus*

Fam. Tyrannidae

- Contopus cooperi* – *Fainharpirhynchus contopus*
C. virens – *Fainharpirhynchus contopus*
Legatus leucophaeus – *Fainharpirhynchus legatus*
Myiarchus crinitus – *Fainharpirhynchus mossi*, *Trichorhynchiella myiarchus*

Fam. Vireonidae

- Vireo olivaceus* – *Neharpyrhynchus vireo*

Pelecaniformes**Fam. Ardeidae**

- Ardea cinerea* – *Harpyrhynchoides herodius*
A. herodius – *Harpyrhynchoides herodius*
Botaurus lentiginosus – *Harpyrhynchoides botaurus*
Bubulcus ibex – *Harpyrhynchoides bubulcus*
Butorides virescens – *Harpyrhynchoides butorides*
Ixobrychus exilis – *Harpyrhynchoides ixobrychus*

Piciformes**Fam. Picidae**

- Campethera abingoni* – *Harpyrhynchoides pectinifer*
C. cailliauti – *Harpyrhynchoides pectinifer*

Colaptes auratus – *Anharpyrhynchus elizae*, *Harpyrhynchoides pectinifer*,
Neharpyrhynchus picidarum

Jynx ruficollis – *Metharpyrhynchus jynx*

Melanerpes formicivorus – *Crassacarus melanerpes*, *Neharpyrhynchus pici-*
darum

M. uropygdialis – *Neharpyrhynchus picidarum*

Picoides pubescens – *Neharpyrhynchus picidarum*

Procellariiformes

Fam. Procellariidae

Puffinus gravis – *Harpyrhynchoides gravis*

Psittaciformes

Fam. Cacatuidae

Kakatoe galerita – *Harpyrhynchoides kakatoe*

Fam. Psittacidae

Amazona aestiva – *Harpyrhynchoides amazonae*

Nandays nanday – *Harpyrhynchoides lawrencei*

Poicephalus senegalus – *Harpyrhynchoides psittaci*

Psittacus erithacus – *Harpyrhynchoides psittaci*

Fam. Psittaculidae

Agapornis roseicollis – *Harpyrhynchoides agapornis*

A. pullarius – *Harpyrhynchoides agapornis*

A. nigrigenis – *Harpyrhynchoides agapornis*

Glossopsitta concinna – *Harpyrhynchoides rosellacinus*

Lathamus discolor – *Harpyrhynchoides rosellacinus*

Platycercus eximius – *Harpyrhynchoides rosellacinus*

Psittacula alexandri – *Harpyrhynchoides psittaculæ*

P. cyanocephala – *Harpyrhynchoides psittaculæ*

Trichoglossus chlorolepidotus – *Harpyrhynchoides rosellacinus*

T. moluccanus – *Harpyrhynchoides rosellacinus*

Ralliformes

Fam. Rallidae

Limnocorax flaviceps – *Ralliharpirhynchus limnocorax*

Porphyrio porphyrio – *Ralliharpirhynchus porphyrio*

Strigiformes

Fam. Tytonidae

Centropus toulou grillii – *Harpyrhynchoides vercammeni*

Tyto alba – *Harpyrhynchoides tyto*

Fam. Strigidae

Aegolius acadicus – *Harpyrhynchoides aegolius*

Asio otus otus – *Harpyrhynchoides asio*

Athene canicularia – *Harpyrhynchoides athene*

Megascops asio – *Harpyrhynchoides megascops*

Bibliography of Harpirhynchinae and Harpypalpinae

- Aksin N., Z. Erdoğan. 2005. *Pseudolichus solutocurtus* Dubinin, 1956 (Acarina, Pterolichoidea) and *Harpyrhynchus* sp. (Acarina, Harpyrhynchidae Dubinin, 1957) species recorded for the first time on wild partridge in Turkey. – Turk J. Vet. Anim. Sci., **29**: 1149–1156.
- Banks N. 1905a. A Treatise of the Acarina, or mites. – Proc. Ent. Soc. Washington, **28**: 1–109.
- Banks N. 1905b. Description of some new mites. – Proc. Ent. Soc. Washington, **8**: 133–142.
- Banks N. 1907. Catalogue of the Acarina, or Mites, of the United States. – Proc. U.S. National Museum, **32** (1553): 595–625.
- Berlese A. 1884. Acari, Myriapoda et Scorpiones hucusque in Italia reperta. – **73**(5–6).
- Berlese A. 1913. Acarotheca italica. Fasciculi Ius et Iius. Praemisso Acarorum systemate
- Berlese A., E. Trouessart. 1889. Diagnoses d'Acariens nouveaux ou peu connus. – Bull. Bibl. Sci. de l'Ouest, **2** (2e partie)(9): 1–23 (copy).
- Berthold 1845. Lehrb. Zool., p. 349
- Bochkov A. V. 2000a. A first record of the mite genus *Neharpyrhynchus* (Acari: Harpirhynchidae) in Russia. – Parazitologiya, **34**(6): 534–538 (in Russian, summ. Engl.).
- Bochkov A.V. 2000b. A new Harpirhynchid mite *Harpyrhynchoides alaudinus* sp.n. (Acari: Harpirhynchidae) from *Alauda arvensis* (Passeriformes: Alaudidae) from Russia. – Acarina, **8**(2): 91–93.
- Bochkov A.V. 2009a. A review of mites of the parvorder Eleutherengona (Acariformes: Prostigmata) – permanent parasites of mammals. – Acarina Supplement No1: 3–149.
- Bochkov A.V. 2009b. Origin and evolution of parasitism in mites of the infraorder Eleutherengona (Acari: Prostigmata). Report II. Superfamily Cheyletoidea. – Parazitologiya (St. Petersburg), **43**(2): 97–117.
- Bochkov A.V. 2014a. Two new species of the subfamily Harpirhynchinae (Acari: Harpirhynchidae) from African birds. – Annales Zoologici, **64**(3): 479–483.
- Bochkov A.V. 2014b. Mites of the genus *Harpyrhynchiella* Fain, 1972 (Acariformes: Harpirhynchidae), an example of an unusual mating strategy. – Int. J. of Acarology, DOI: 10.1080/01647954.2014.988644
- Bochkov A. V., T.D. Galloway. 2001. Parasitic cheyletoid mites (Acari: Cheyletoidea) associated with passeriform birds (Aves: Passeriformes) in Canada. – Canadian Journal of Zoology, **79**: 2014–2028.
- Bochkov A. V., T.D. Galloway. 2004. New species and records of Cheyletoid mites (Acari: Cheyletoidea) from birds in Canada. – J. of Kansas Entom. Society, **77**(1): 26–44.
- Bochkov A. V., T.D. Galloway. 2013. New records and new species of mites of the subfamily Harpirhynchinae (Acariformes: Harpirhynchidae) infesting birds in Manitoba, Canada. – Acta Parasitologica, **58**(4): 405–419. .
- Bochkov A. V., P.B. Klimov, M. Skoracki. 2017. Morphological phylogenetic conflict in the parasitic mite family Harpirhynchidae (Acariformes: Cheyletoidea) correlates with host associations. – Zool. Anzeiger, **271**: 33–48.

- Bochkov A. V., H. Klompen. 2014a. A review of the subfamily Harpypalpinae Fain, 1972 (Acari-formes: Harpirhynchidae)—parasites of passerine birds. – *Zootaxa*, **3857**(4): 451–477.
- Bochkov A. V., H. Klompen. 2014b. New Harpirhynchinae Dubinin (Acariformes: Harpirhynchidae) – intracutaneous and feather – base parasites of birds. – *Zootaxa*, **3860**(4): 301–324.
- Bochkov A. V., H. Klompen. 2014c. A review of the *zumpti* species group of the genus *Harpyrhynchoides* (Acariformes: Harpirhynchidae) —ectoparasites of passerines. – *Zootaxa*, **3884**(5): 401–418.
- Bochkov A.V., I. Literák. 2006. A review of the European Harpirhynchidae (Acari: Prostigmata) with the description of a new species. – *Acta parasitologica*, **51**(2): 136–142.
- Bochkov A.V., I. Literák. 2007. *Neharpyrhynchus baile* n. sp. (Prostigmata: Harpirhynchidae) parasitizing *Turdus leucomelas* Viellot (Aves: Turdidae) from Brazil. – *Int. J. of Acarology*, **33**(1): 35–39.
- Bochkov A.V., I. Literák. 2008. Description of the life stages of *Harpyrhynchoides rubeculinus* (Černý and Sixl, 1971)(Prostigmata: Harpirhynchidae). – *Internat. J. of Acarology*, **34**(3): 227–236.
- Bochkov A.V., I. Literák. 2011. Mites of the genus *Neharpyrhynchus* Fain (Acariformes, Harpirhynchidae) from Neotropical birds. – *ZooKeys*, **89**: 15–31.
- Bochkov A. V., J.W. Mertins. 2010. *Harpyrhynchus quasimodo* n.sp. (Acariformes: Harpirhynchidae), a new species parasitizing *Molothrus ater* (Passeriformes: Icteridae) in Florida, USA. – *Internat. J. Acarology*, **36**(1): 83–87.
- Bochkov A. V., S.V. Mironov. 1999. Phylogeny and host-parasite relationships of the mite family Harpirhynchidae (Acari, Prostigmata). – *Acarina*, **7** (2): 69–87.
- Bochkov A. V., B.M. OConnor. 2013. Mites of the Subfamily Harpirhynchinae (Acariformes: Harpirhynchidae) from North American Birds. – *J. of Medical Entomology*, **50**(3): 501–509.
- Bochkov A. V., B.M. OConnor. 2014. Mites of the genus *Trichorhynchiella* (Acariformes: Harpirhynchidae): a new exemple of ovoviviparity in acariform mites. – *J. of Medical Entomology*, **51**(2): 323–330.
- Bochkov A. V., B.M. OConnor, H. Klompen. 2015. A review of the mite subfamily Harpirhynchinae (Acariformes: Harpirhynchidae) – parasites of New World birds (Aves: Neognathae). – *Zootaxa*, **4023**: 1–130.
- Boyd E. M. 1968. Two new species of *Harpyrhynchus* from Herons in North America (Acarina, Trombidiformes Harpyrhynchidae). – *Proceedings of the Helminthological Society of Washington*, **35**: 18–24.
- Chaddock T.T. 1941. Rare mites found on Wisconsin blackbird. – *Wisconsin Conservation*, **6**: 33–34.
- Černý V. & W. Sixl. 1971. *Harpirhynchus rubeculinus* spec. nov. eine neue Milbenart aus der Steiermark (Arachnida, Acari, Trombidiformes). – *Mitteilungen Naturwissenschaften Ver. Steiermark*, **100**: 388–390.
- Domrow R. 1991. Acari Prostigmata (excluding Trombiculidae) parasitic on Australian vertebrates: an annotated checklist, keys and bibliography. – *Invertebr. Taxon.*, **4**: 1283–1376.

- Dubinin V.B. 1957. Acari: Cheyletoidea and Demodicoidea. – *Parasitologicheskii Sbornik Zoologicheskogo Instituta Akademii Nauk SSSR*, **17**: 71–136. (in Russian).
- Ewing H.E. 1911. New predaceous and parasitic mites. – *Psyche*, **18**: 37–43.
- Fain A. 1972. Notes sur les Acariens des familles Cheyletidae et Harpyrhynchidae producteurs de gale chez les Oiseaux ou les Mammifères. – *Acta Zool. Path. Antwerp.*, **56**: 37–60.
- Fain A. 1976. Notes sur les Harpyrhynchidae. Description de quatre espèces nouvelles. (Acarina: Prostigmata). – *Acarologia*, **18**(1): 124–132.
- Fain A. 1994. New observations on the Harpyrhynchidae Dubinin, 1957 (Acari: Prostigmata). I. The subgenus *Harpirhynchus* (*Harpyrhynchoides*) Fain, 1972. – *Bull. Inst. r. Sci. Nat. de Belgique, Entomologie*, **64**: 109–144.
- Fain A. 1995. New observations on the Harpyrhynchidae Dubinin, 1957 (Acari: Prostigmata). II. On some new or little-known taxa in the Harpirhynchinae. – *Bull. Inst. r. Sci. Nat. de Belgique, Entomologie*, **65**: 73–100.
- Fain A., A.V. Bochkov, S.V. Mironov. 1999. A contribution to the systematics of the mite family Harpirhynchidae (Acari: Cheyletoidea). – *Acarologia*, **40**(1): 37–54.
- Filippich L. J., R. Domrow. 1985. Harpirhynchid mites in a scaly-breasted lorikeet *Trichoglossus chlorolepidotus*. – *Journal of Wildlife Diseases*, **21**: 451–453.
- Fritsch W. 1954. Die Milbengattung *Harpyrhynchus* Mégnin, 1878. – *Zool. Anz.*, **152**: 177–198.
- Heim F. 1892. *Harpirhynchus megnini* n. sp. – *Ann. Soc. ent. France, Bull. Séan.*, **61**: 132–133.
- Henry P.-Y., B. Poulin, F. Rousset, F. Renaud, F. Thomas. 2004. Infestation by the mite *Harpirhynchus nidulans* in the bearded tit *Panurus biarmicus*. – *Bird Study*, **51**: 34–40.
- Hering 1845. Eine neue Krätzmilbe. – *Thierärztl. Ztg.*, **11**(29): 115.
- Jeleva M. 1970. On the skin reaction of the host to *Harpyrhynchus nidulans* (Acari, Cheyletoidea: Harpyrhynchidae). – *Ann. Univ. Sofia, Fac. Biol., Geol., Geogr.*, **63**: 63–67.
- Koch C.L. 1836. DCMA 9 – Deutschlands Crustaceen, Myriapoden und Arachniden 9: 1–24.
- Lawrence R. F. 1959a. New mites parasites of African birds (Myobiidae, Cheyletidae). – *Parasitology*, **49**(3–4): 416–438.
- Lawrence R. F. 1959b. Acariens (Harpyrhynchidae, Listrophoridae) nouveaux ou peu connus parasites d'oiseaux ou de mammifères. – *Acarologia*, **1**(1): 106–118.
- Lawrence R. F. 1959c. New mites parasite (*Harpyrhynchus*) from the Roselle Parakeet (Trombidiformes, Acari). – *Proceedings of the Linnean Society of New South Wales*, **84**: 238–241.
- Literák I., A.V. Bochkov, J. Cárdenas-Callirgos, M. Čapek. 2012. The first records of mites of the genus *Neharpyrhynchus* (Acariformes: Harpirhynchidae) from birds in Peru. – *Neotropical Helminthology*, **6**: 109–114.
- Literák I., A.V. Bochkov, F. Dusbábek, J. Martinu, P. Podzemny, O. Sychra. 2009. Málo známí cizopasníci – rostoči čeledi Harpirhynchidae. – *Ziva*, **3**: 126–128. [in Czech].
- Literák I., A.V. Bochkov, S. Franco. 2014. The first record of mites of ther genus *Neharpyrhynchus* (Acariformes: Harpirhynchidae) from birds in Paraguay. – *Neotropical Helminthology*, **8**(1): 183–188.
- Literák I., J. Chytil, A. Trnka, A. Fain, V. Tukač. 2005. Subalar cutaneous cysts with *Harpirhynchus nidulans* in bearded tits and hawfinches in Central Europe. – *Avian Pathology*, **34**(1): 26–28.

- Lombert H. A. P. M., W. Wayne Moss. 1983. Description and Developmental Cycle of *Harpyalpoides lukoschusi* gen. et sp. nov. (Acari: Harpyrhynchidae: Harpyalpinae) from the Eurasian Blackbirds, *Turdus merula* (Aves: Passeriformes: Turdidae). – Proc. Acad. Nat. Sci. Phil., **135**: 163–176.
- McClure H. Elliott, N. Ratanaworadhan et al. 1973. Some ectoparasites of the birds of Asia. – 219 pp.
- Martín J., F. Dusbábek, I. Literák. 2008. A review of mites of the genus *Neharpyrhynchus* Fain (Acari: Harpirhynchidae) – ectoparasites of wild birds, including description of four new species. – Int. J. of Acarology, **34**(2): 197–209.
- Mégnin J. P. 1877. Une tumeur cutanée recueillie sur une Alouette. – Ann. Soc. ent. France, **7**: 159
- Mégnin P. 1878. Mémoire sur les Cheylétides parasites. – Journ. de l'Anatomie et de la Physiologie, **14** (3): 416–441.
- Morley L. C., J. E. Shillinger. 1937. Parasitic Tumors in Wild Birds. – Journal of Veterinary Medical Association, **91**: 94–97.
- Moss W. W. 1979a. Patterns of host-specificity and co-evolution in the Harpyrhynchidae (Acari). – Recent Advances in Acarology, **2**: 379–384.
- Moss W. W. 1979b. Numerical taxonomic studies of the mite family Harpyrhynchidae (Acari: Cheyletoidea): classification and of the subfamily Harpyalpinae. In manuscript.
- Moss W. W., C. J. Mitchell, D.E. Johnston. 1970. New North American host and distribution records for the mite genus *Dermanyssus* (Acari: Mesostigmata: Dermanyssidae). – J. Med. Entomol., **7**(5): 589–593.
- Moss W. W., J. H. Oliver Jr., B. C. Nelson. 1968. Karyotypes and developmental stages of *Harpyrhynchus novoplumaris* n. sp. (Acari: Cheyletoidea: Harpyrhynchidae), a parasite of North American birds (Aves). – Journal of Parasitology, **54**: 377–392.
- Moss W. W., J. F. Wojcik. 1978. Numerical taxonomic studies of the mite family Harpyrhynchidae (Acari: Cheyletoidea): the higher taxa. – Ann. Ent. Soc. Am., **71**: 247–252.
- Murray A. 1877. Economic Entomology. Aptera. – South Kensington Museum Science Handbook No 1. Chapman and Hall, London, 433 pp.
- Nitzsch C.L. 1818. Acarina. – In "Ersch & Gruber". Allgemeine Encyclopedic Wissenschaft I: 250–251.
- Oudemans A.C. 1906. Révision des Chélétinés. – Mém. Soc. Zool. de France, **19**: 36–144.
- Oudemans A.C. 1936.: 133–135.
- Oudemans A.C. 1939. Über Phthiriasis und über ihren Erzeuger, *Harpyrhynchus tabescentium* (Berthold 1845). – Zeitschrift f. Parasitenkunde, **11**: 145–198.
- Railliet A. 1893. Traité de zoologie médicale et agricole. – Part I. Asselin et Houzeau, Paris.
- Skoracki M., A.V. Bochkov, B. Sikora. 2004. A new species and new records of the cheyletoid mites (Acari: Cheyletoidea) from passeriform birds in Poland. – Belgian Journal of Entomology, **6**: 83–90.
- Spelding M.G., J.W. Merlins, M.J.Reetz, K. L. Keacher, M.L. Avery, E.C. Greiner. 2010.

- Mite-Filled Cyst on a Brown-headed Cowbird (*Molothrus ater*) in Florida, USA. – J. of Wildlife Diseases, **46**(4): 1279–1283.
- Turk F.A. 1953. I. – A synonymic catalogue of British Acari: Part I. – Ann. Mag. Nat. Hist., 12th Ser., **61**: 1–26.0
- Ward P., M. Lavoipierre, C. Rajamanickam. 1965. A lanceolate warbler *Locustella lanceolata* bearing large tumors caused by a harpyrhynchid mite (*Harpyrhynchus*). – Ibis, **107**: 543–544.

The Mite subfamily Ophioptinae

Mites living all their live inside the scales of snakes of the families Colubridae, Elapidae and Viperidae. Their study started by Sambon (1928), followed by Ewing (1933), Allred (1958), and Lisazo (1983), again concerning South American or Cuban snakes. Radford (1947) recorded the group from Asia and Southcott (1956), from Australia, describing these mites as a new family. Fain (1962, 1964, 1965) described the new genus *Afrophiotes* from African snakes, nine new species and revised the group, still as a family. Beron (1972) recorded from Bulgaria *Ophiotes* for the first time in Europe (confirmed by Fain, who prospected thousands of preserved snakes from Europe, without detecting any Ophiop-tid). It is clear that these mites prefer the warmer climate. Revising Cheyletoidea Bochkov (2002) followed Dubinin (1957), ascribing to them subfamily status in Harpirhynchidae. Still only 18 species in two genera are known.

Catalogue of Ophioptinae

Subfamily **Ophioptinae** Southcott (Dubinin)

Ophiop-tidae Southcott, 1956: 147

Ophiop-tinae (subf. of Harpirhynchidae): Dubinin, 1957: 98; Bochkov, 2002

Type genus: *Ophiotes* Sambon, 1928

Genus ***Afrophiotes*** Fain

Afrophiotes Fain, 1962: 157

Type species: *Afrophiotes whartoni* Fain, 1962

Afrophiotes rhodesiensis Fain

Afrophiotes rhodesiensis Fain, 1962: 158

Type locality: Abercorn (now Mbala)

Distribution: “Rhodesia” (Zambia)

Host: “*Cerastes*” *t. tritaeniatus* (Serpentes: Viperidae)

Afrophiotes whartoni Fain

Afrophiotes whartoni Fain, 1962: 158; 1964: 48; 1965: 112

Type locality: Musosa, Katanga

Distribution: Angola, DR Congo

Host: *Psammophis s. sibilans* (Serpentes: Colubridae)

Genus ***Ophiotes*** Sambon

Ophiotes Sambon, 1928: 138

Type species: *Ophiotes parkeri* Sambon, 1928

***Ophiotes beshkovi* Beron**

Ophiotes beshkovi Beron, 1972: 689

Type locality: Frolosh Village, Kyustendil Distr.

Distribution: Bulgaria

Host: *Platyceps najadum* (= *Coluber dahli*) (Serpentes: Colubridae)

***Ophiotes boaedoni* Fain**

Ophiotes boaedoni Fain, 1962: 156; 1964: 35

Type locality: Teturi, Kivu

Distribution: DR Congo

Host: *Boaedon fuliginosus* (Serpentes: Colubridae)

***Ophiotes brevipilis* Lizaso**

Ophiotes brevipilis Lizaso, 1983: 380

Type locality: Brazil

Distribution: Brazil

Host: *Chironius flavolineatus* (Serpentes: Colubridae)

***Ophiotes coluber* Radford**

Ophiotes coluber Radford, 1947: 229; Fain, 1964: 43

Type locality: Imphal, Manipur State

Distribution: India

Host: *Coelognathus* [*Coluber*] *radiatus* (Serpentes: Colubridae)

***Ophiotes congolensis* Fain**

Ophiotes congolensis Fain, 1962: 155; 1964: 37

Type locality: Upemba, Mpala

Distribution: DR Congo

Host: *Philothamnus hoplogaster* (Serpentes: Colubridae)

***Ophiotes dromicus* Allred**

Ophiotes dromicus Allred, 1958b: 107; Fain, 1964: 33

Type locality: Prov. Oriente, Cuba

Distribution: Cuba

Host: *Dromicus andreae orientalis* (Serpentes: Colubridae)

***Ophiotes ekans* Mendoza-Roldan et Barros-Battesti**

Ophiotes ekans Mendoza-Roldan & Barros-Battesti, 2017: 2

Type locality: Campo Limpo Paulista

Distribution: Brazil

Host: *Crotalus durissus terrificus* (Serpentes: Viperidae)

Ophioptes longipilis Lizaso*Ophioptes longipilis* Lizaso, 1983: 378

Type locality: Brazil

Distribution: Brazil

Host: *Oxyrhopus trigeminus* (Serpentes: Colubridae)***Ophioptes lycodontis*** Fain*Ophioptes lycodontis* Fain, 1964: 38

Type locality: Java

Distribution: Indonesia (Java)

Host: *Lycodon subcinctus* (Serpentes: Colubridae)***Ophioptes machadoi*** Fain*Ophioptes machadoi* Fain, 1965: 110

Type locality: Mwaoka (45 km S Dundo), Dundo

Distribution: Angola

Host: *Dispholidus typus punctatus* (Serpentes: Colubridae)***Ophioptes najae*** Fain*Ophioptes najae* Fain, 1962: 156; 1964: 41; 1965: 109

Type locality: Kai Bumba, Mayumbe (DR Congo)

Distribution: Angola, DR Congo

Host: *Naja melanoleuca* (Serpentes: Elapidae)***Ophioptes parkeri*** Sambon*Ophioptes parkeri* Sambon, 1928: 141; Fain, 1964: 21*Ophioptes oudemansi* Sambon, 1928: 141

Type locality: Buenavista, Bolivia

Distribution: Argentina, Bolivia, Brazil, Paraguay

Hosts: *Erythrolaprus aesculapii*, *Leimadophis poecilogyris*, *L. poecilogyris pictostriatus*,
Liophis anomalus, *Clelia rustica* (Serpentes: Colubridae)***Ophioptes samboni*** Southcott*Ophioptes samboni* Southcott, 1956: 142; Fain, 1964: 47

Type locality: Queensland

Distribution: Australia (Queensland)

Host: *Rhynchoelaps fasciolatus* (Serpentes: Elapidae)***Ophioptes schoutedeni*** Fain*Ophioptes schoutedeni* Fain, 1962: 154; 1964: 35

Type locality: Abercorn (now Mbala)

Distribution: "Rhodésie" (Zambia)

Host: *Boaedon lineatus* (Serpentes: Colubridae)

Ophiotes southcotti Fain

Ophiotes southcotti Fain, 1962: 157; 1964: 47

Type locality: Thailand

Distribution: Thailand

Host: *Macropisthodon rhodomelas* (Serpentes: Colubridae)

Ophiotes tropicalis Ewing

Ophiotes tropicalis Ewing, 1933: 53; Allred, 1958a: 287; Fain, 1964: 47

Type locality: Zoo in Washington D.C.

Distribution: Guiana

Host: *Erpetodryas carinatus* (Serpentes: Colubridae)

Index of Ophioptinae

(Names in bold are accepted as **valid**)

Afrophiotes 314

beszkovi, ***Ophiotes*** 315

boaedoni, ***Ophiotes*** 315

coluber, ***Ophiotes*** 315

congolensis, ***Ophiotes*** 315

dromicus, ***Ophiotes*** 315

ekans, ***Ophiotes*** 315

longipilis, ***Ophiotes*** 316

lycodontis, ***Ophiotes*** 316

machadoi, ***Ophiotes*** 316

najae, ***Ophiotes*** 316

Ophiotes 314

Ophiotidae 314

Ophiotinae 314

oudemansi, ***Ophiotes*** 316

parkeri, ***Ophiotes*** 316

rhodesiensis, ***Afrophiotes*** 314

samboni, ***Ophiotes*** 316

schoutedeni, ***Ophiotes*** 316

southcotti, ***Ophiotes*** 317

tropicalis, ***Ophiotes*** 317

whartoni, ***Afrophiotes*** 314

Distribution of Ophiotinae

EUROPE

Bulgaria (Beron, 1974) – *Ophiotes beszkovi*

AFRICA

Angola (Fain, 1965) – *Afrophiotes whartoni*, *Ophiotes machadoi*, *O. najae*

Congo (DR)(Fain, 1962) – *Afrophiotes whartoni*, *Ophiotes boaedoni*, *O. congolensis*,
O. najae

Zambia (Fain, 1962) – *Afrophiotes rhodesiensis*, *Ophiotes schoutedeni*

ASIA

India (Radford, 1947) – *Ophiotes coluber*

Indonesia (Fain, 1964) – *Ophiotes lycodontis*

Thailand (Fain, 1962) – *Ophiotes southcotti*

CENTRAL and SOUTH AMERICA

Argentina (Sambon, 1928) – *Ophiotes parkeri*

Bolivia (Sambon, 1928, Fain, 1964) – *Ophiotes parkeri*

Brazil (Fain, 1964, Lizaso, 1983; Mendoza-Roldan et al., 2017) – *Ophiotes brevipilis*, *O. ekans*, *O. longipilis*, *O. parkeri*

Cuba (Allred, 1958b; Fain, 1964) – *Ophiotes dromicus*

Guyana (Ewing, 1933) – *Ophiotes tropicalis*

Paraguay (Sambon, 1928, Fain, 1964) – *Ophiotes parkeri*

OCEANIA

Australia (Southcott, 1956) – *Ophiotes samboni*

Hosts of Ophiotinae

Serpentes

Fam. Colubridae

Boaedon fuliginosus – *Ophiotes boaedoni*

B. lineatus – *Ophiotes schoutedeni*

Chironius flavolineatus – *Ophiotes brevipilis*

Clelia rustica – *Ophiotes parkeri*

Platyceps najadum (= *Coluber dahli*) – *Ophiotes beshkovi*

Coelognathus [*Coluber*] *radiatus* – *Ophiotes coluber*

Erpetodryas carinatus – *Ophiotes tropicalis*

Erythrolaprus aesculapii – *Ophiotes parkeri*

Leimadophis poecilogyus – *Ophiotes parkeri*

L. poecilogyus pictostriatus – *Ophiotes parkeri*

Liophis anomalus – *Ophiotes parkeri*

Lycodon subcinctus – *Ophiotes lycodontis*

Macropisthodon rhodomelas – *Ophiotes southcotti*

Oxyrhopus trigeminus – *Ophiotes longipilis*

Philothamnus hoplogaster – *Ophiotes congolensis*

Psammophis s. sibilans – *Afrophioptes whartoni*

Fam. Elapidae

Naja melanoleuca – *Ophioptes najae*

Rhyncoelaps fasciolatus – *Ophioptes samboni*

Fam. Viperidae

“Cerastes” t. tritaeniatus – *Afrophioptes rhodesiensis*

Crotalus durissus terrificus – *Ophioptes ekans*

Bibliography of Ophioptinae

- Allred D. 1958a. Redescription of *Ophioptes tropicalis* Ewing, 1933, (Acarina, Ophioptidae). – Proc. Ent. Soc. Wash. **60** (6): 287–288.
- Allred D. 1958b. A new species of pit mite (Acarina: Ophioptidae) infesting snakes. – Herpetologica, **14**: 107–110.
- Beron P. 1974. Deuxième contribution à l'étude des Acariens parasites des Reptiles: *Ophioptes beshkovi* sp.n. (Ophioptidae) et *Hemilaelaps piger* (Berl.) (Ixodorhynchidae) de Bulgarie. – Comptes rendus de l'Ac. Bulg. Sci., **27**(5): 689–692.
- Bochkov A.V. 2002. Classification and phylogeny of mites of the superfamily Cheyletoidea (Acari: Prostigmata). – Entomologicheskoe Obozrenie [In Russian but also translated into English in Entomol. Rev.], **81**: 488–513.
- Ewing H. E. 1933. A new pit-producing mite from the scales of a South-American snake. – J. Parasit. **20** (1): 53–56.
- Fain A. 1962. Diagnoses d'Acariens nouveaux. – Rev. Zool. Bot. Afr., **66** (1–2): 154–162.
- Fain A. 1964. Les Ophioptidae Acariens parasites des écailles des serpents (Trombidiformes). – Bull. Inst. r. Sci. nat. Belgique, **40**(15): 1–57.
- Fain A. 1965. Ophioptidae de l'Angola (Acarina: Trombidiformes). – Services Culturels Comp. de Diamantes de Angola, Lisboa, **77**: 107–114.
- Lizaso N.M. 1983. Acaros ectoparasitas de serpentes. Descricao de *Ophioptes longipilis* sp.n. e *Ophioptes brevipilis* sp.n. (Trombidiformes, Ophioptidae). – Memorias Inst. Butantan, **44–45**, 1980–1981: 377–378.
- Mendoza-Roldan J.A., Barros-Battesti D.M., Bassini-Silva R., Jacinavicius F.C., Nieri-Bastos F.A., Franco F.L. and Marcili A. 2017. A New Species of Pit Mite (Trombidiformes: Harpirhynchidae) from the South American Rattlesnake (Viperidae): Morphological and Molecular Analysis. – Entomology, Ornithology & Herpetology: Current Research, **6**(3): 8 pp.
- Radford Ch. D. 1947. Parasitic mites from snakes and rodents (Acarina: Cheyletidae, Listrophoridae and Laelaptidae). – Proc. Zool. Soc. London, **117**: 228–240.
- Sambon L. W. 1928. *Ophioptes parkeri*. A new species and genus of Cheyletid inhabiting the scales of reptiles. – Ann. Trop. Med. & Parasit., **22**(1): 137–142.
- Southcott R.V. 1956. Notes on the Acarine genus *Ophioptes*, with a description of a new Australian species. – Trans. Roy. Soc. South Australia, **79**: 142–147.

The Mite Family Syringophilidae Lavoipierre

Syringophilidae Lavoipierre, 1953

The quill mites (Syringophilidae) were considered part of Cheyletidae until Lavoipierre (1953) and Dubinin (1957) made of them separate family. The number of the known genera and species in this family literally exploded after the revision of Kethley (1970) who added to the two genera known by this time (*Picobia* Haller, 1878 and *Syringophilus* Heller, 1880) another 15 genera. In 1973 he described another one – *Colinophilus*. Before him Fritsch (1958) revised the genus *Syringophilus* and some other authors (Oudemans, Poppe, Banks, Berlese, Hancock, Hirst, Lawrence, Womersley, Clark) added to the knowledge of the family, but mostly in general acarological papers. Johnston & Kethley (1973) separated the *Picobia* in a new subfamily Picobiinae.

The bulk of modern information on Syringophilidae comes from the many important papers of the Polish specialist Skoracky and his co-authors (OConnor, Bochkov, Sikora, Glowska, Fain, Mironov, Hebda, Wauthy, Magowsky, Dabert, Spicer, Hendricks, Møller, Tryjanowski, Hromada and others). They described 17 more genera and many species from the entire world. According to Bochkov (2009b), the family includes 167 sp. of 36 genera. In his monograph on Palearctic Syringophilidae Skoracky (2011) analysed all 118 Palearctic species, describing 6 new genera, 25 new species and many new combinations. Chirov & Kravtsova (1995) described the new genus *Mironovia*, Kivganov in Kivganov & Sharafat (1995) – the genus *Kethleyana*, Philips & Norton (1978) – the genus *Bubophilus*. New information is credited also to Russians (Bochkov, Mironov and others, after 2000), Americans (Casto, 1973–1980, OConnor), Chinese (Liu Bai-li) and other acarologists. Now (end December 2020) the family includes more than 420 described species of 63 genera and many more (at least 5000) should be expected, as many species of birds are not examined for Syringophilidae.

The quill mites, as their name shows, are obligatory and permanent ectoparasites living inside the different types of quills. They feed on soft-tissue fluids of their hosts.

So far quill mites have been recorded on more than 440 species of birds, belonging to 109 bird families (including 60 of Passeriformes) and 28 orders (Accipitriformes, Anseriformes, Apodiformes, Bucerotiformes, Ciconiiformes, Charadriiformes, Coliiformes, Columbiformes, Coraciiformes, Cuculiformes, Falconiformes, Galbuliformes, Galliformes, Gruiformes, Musophagiformes, Otidiformes, Passeriformes, Pelecaniformes, Phoenicopteriformes, Piciformes, Procellariiformes, Psittaciformes, Pteroclidiformes, Strigiformes, Suliformes, Tinamiformes, Trogoniformes, Upupiformes), but many other birds may harbour new genera and species of these rather specific mites.

The system of Syringophilidae is accepted here as follows:

Family **Syringophilidae** Lavoipierre, 1953 – **63** genera, **415** sp.

Subfamily **Syringophilinae** Lavoipierre, 1953 – **51** gen., **320** sp.

- Apodisyringiana* Skoracki, 2005 – 3 sp.
Apodisyringophilus Skoracki et OConnor, 2010 – 1 sp.
Ascetomylla Kethley, 1970 – 2 sp.
Aulobia Kethley, 1970 – 12 sp.
Aulonastus Kethley, 1970 – 17 sp.
Betasyringophiloidus Skoracki, 2011 – 6 sp.
Blaszakia Skoracki et Sikora, 2008 – 2 sp.
Bochkovia Skoracki et OConnor, 2010 – 1 sp.
Bubophilus Philips et Norton, 1978 – 4 sp.
Charadriphilus Bochkov et Chistyakov, 2001 (incl. *Charadriaulobia* Bochkov, Fain et Skoracki, 2004) – 5 sp.
Chenophila Kethley, 1970 – 5 sp.
Colinophilus Kethley, 1973 – 1 sp.
Colisyringophilus Skoracki, Unsoeld et Ozminski, 2013 – 1 sp.
Corvitorotrogulus Skoracki et Bochkov, 2010 – 1 sp.
Creagonycha Kethley, 1970 – 3 sp.
Crotophagisyringophilus Skoracki, 2008 – 1 sp.
Cuculisyringophilus Skoracki, 2008 – 2 sp.
Fritschisyringophilus Bochkov, Fain et Skoracki, 2004 – 1 sp.
Galliphilopsis Skoracki et Sikora, 2004 – 5 sp.
Ixobrychiphilus Skoracki, Zmudzinski et Solarczyk, 2017 – 1 sp.
Kalamotrypates Casto, 1980 – 2 sp.
Kethleyana Kivganov, in Kivganov & Sharafat, 1995 – 1 sp.
Krantziaulonastus Skoracki, 2011 – 5 sp.
Megasyringophilus Fain, Bochkov et Mironov, 2000 – 11 sp.
Meitingsunes Glowaska et Skoracki, 2010 – 8 sp.
Mironovia Chirov et Kravtsova, 1995 – 5 sp.
Neoaulobia Fain, Bochkov et Mironov, 2000 – 8 sp.
Neoaulonastus Skoracki, 2004 (= *Dissonus* Skoracki, 1999, praeoccup.) – 18 sp.
Neobubophilus Skoracki et Unsoeld, 2016 – 2 sp.
Neoperisterophila Skoracki, 2005 – 1 sp.
Neosyringophilopsis Skoracki et Sikora, 2005 – 8 sp.
Niglarobia Kethley, 1970 – 7 sp.
Paraniglarobia Skoracki, 2011 – 2 sp.
Peristerophila Kethley, 1970 (= *Castosyringophilus* Bochkov et Perez, 2002) – 13 sp.
Phalarophilus Skoracki, Bochkov et OConnor, 2011 – 1 sp.
Philoxanthornea Kethley, 1970 – 3 sp.
Picineaulonastus Skoracki, Klimovičová, Mucha et Hromada, 2014 – 1 sp.
Picisyringophilus Skoracki et OConnor, 2010 – 1 sp.
Procellariisyringophilus Schmidt et Skoracki, 2007 (= *Syringonomus* Kethley, 1970, praeoccup.) – 1 sp.

Psittaciphilus Fain, Bochkov et Mironov, 2000 – 4 sp.

Pteroclidisyringophilus Skoracki, Unsoeld et Skorupski, 2011 – 2 sp.

Selenonycha Kethley, 1970 – 3 sp.

Stibarokris Kethley, 1970 – 11 sp.

Syringophiloidus Kethley, 1970 – 48 sp.

Syringophilopsis Kethley, 1970 – 50 sp.

Syringophilus Heller, 1880 – 2 sp.

Terratosyringophilus Bochkov et Perez, 2002 – 5 sp.

Tinamiphylopsis Skoracki et Sikora, 2004 – 2 sp.

Torotroglia Kethley, 1970 – 20 sp.

Trypetoptila Kethley, 1970 – 1 sp.

Subfamily **Picobiinae** Johnston et Kethley, 1973 – **12 gen., 95 sp.**

Calamincola Casto, 1978 [= *Cuculiphilus* Casto, 1977, praeocc.] – 1 sp.

Charadriineopicobia Skoracki, Spicer et OConnor, 2014 – 4 sp.

Columbiphilus Kivganov et Sharafat, 1995 – 4 sp.

Gunabopicobia Skoracki et Hromada, 2013 – 7 sp.

Lawrencipicobia Skoracki et Hromada, 2013 – 3 sp.

Neopicobia Skoracki, 2011 – 12 sp.

Picobia Haller, 1878 – 42 sp.

Phipicobia Glowska et Schmid, 2014a – 1 sp.

Pipicobia Glowska et Schmid, 2014b – 4 sp.

Pseudopicobia Skoracki, Scibek et Sikora, 2012 – 3 sp.

Rafapicobia Skoracki, 2011 – 13 sp.

Tanopicobia Skoracki, Hromada, Jerzak et Sikora, 2020 – 1 sp.

Catalogue of Syringophilidae

Family **Syringophilidae** Lavoipierre

Syringophilidae Lavoipierre, 1953; Dubinin, 1957: 93

Type genus: *Syringophilus* Heller, 1880

Subfamily **Syringophilinae** Lavoipierre

Syringophilinae Lavoipierre, 1953

Type genus: *Syringophilus* Heller, 1880

Genus ***Apodisyringiana*** Skoracki

Apodisyringiana Skoracki, 2005: 337

Type species: *Apodisyringiana haszprunari* Skoracki, 2005

Apodisyringiana haszprunari* SkorackiApodisyringiana haszprunari* Skoracki, 2005: 338

Type locality: Sumatra

Distribution: Indonesia (Sumatra)

Host: *Hemiprocne comata* (Apodiformes: Hemiprocniidae)***Apodisyringiana mystaceae* Skoracki***Apodisyringiana mystaceae* Skoracki, 2005: 341

Type locality: Papua New Guinea, New Britain Isl.

Distribution: Papua New Guinea

Hosts: *Hemiprocne mystacea mystacea*, *H. m. aeroplanes* (Apodiformes: Hemiprocniidae)***Apodisyringiana hirundapi* Skoracki, Kaszewska et Kavetska***Apodisyringiana hirundapi* Skoracki, Kaszewska & Kavetska, 2015: 584

Type locality: Yokohama

Distribution: Japan

Host: *Hirundapus caudacutus* (Apodiformes: Apodidae)**Genus *Apodisyringophilus* Skoracki et OConnor***Apodisyringophilus* Skoracki & OConnor, 2010: 5Type species: *Apodisyringophilus collocaius* Skoracki et OConnor, 2010***Apodisyringophilus collocaius* Skoracki et OConnor***Apodisyringophilus collocaius* Skoracki & OConnor, 2010: 5

Type locality: Philippines, Leyte Isl., Inopacan

Distribution: Philippines

Host: *Collocalia esculenta* (Apodiformes: Apodidae)**Genus *Ascetomylla* Kethley***Ascetomylla* Kethley, 1970: 24Type species: *Ascetomylla gallinula* Kethley, 1970***Ascetomylla gallinula* Kethley***Ascetomylla gallinula* Kethley, 1970: 25

Type locality: Johannesburg, Transvaal

Distribution: South Africa

Host: *Gallinula chloropus* (Gruiformes: Rallidae)***Ascetomylla porzanae* (Bochkov et Galloway)***Syringophilopsis porzanae* Bochkov & Galloway, 2001: 31*Ascetomylla porzanae* (Bochkov et Galloway): Skoracki, Flannery & Spicer, 2008: 299

Type locality: Manitoba: Delta Marsh

Distribution: Canada

Host: *Porzana carolina* (Gruiformes: Rallidae)

Genus ***Aulobia*** Kethley

Aulobia Kethley, 1970: 41

Type species: *Syringophilus dendroicae* Clark, 1964

Aulobia anthreptes Skoracki et Glowska

Aulobia anthreptes Skoracki & Glowska, 2008: 184; Skoracki, Hendricks & Spicer, 2010: 40

Type locality: unknown

Distribution: Southeast Asia (distribution of the host)

Host: *Anthreptes malacensis* (Passeriformes: Nectariniidae)

Aulobia afroanthreptes Skoracki et Zmudzinski

Aulobia afroanthreptes Skoracki & Zmudzinski, 2018: 2

Type locality: Tanzania

Distribution: Tanzania

Hosts: *Anthreptes longuemarei*, *A. neglectus* (Passeriformes: Nectariniidae)

Aulobia cardueli Skoracki, Hendricks et Spicer

Aulobia cardueli Skoracki, Hendricks & Spicer, 2010: 36; Skoracki & Bochkov, 2010: 65; Skoracki, 2011: 104

Type locality: Texas, Johnson Co., Garen Ranch

Distribution: Germany, Kazakhstan, Poland, Russia, Slovakia, USA (Texas)

Hosts: *Cardinalis cardinalis* (Passeriformes: Cardinalidae), *Acanthis flammea*, *Carduelis carduelis*, *C. flavirostris*, *Serinus citrinella*, *Spinus psaltria*, *S. spinus* (Passeriformes: Fringillidae)

Aulobia cisticolae Skoracki et Sikora

Aulobia cisticolae Skoracki & Sikora, 2003: 2; Skoracki et al., 2009: 132; Klimovičova et al., 2014a

Type locality: Kodegbe (Togo)

Distribution: Cameroon, DR Congo, Kenya, Rwanda, Togo

Hosts: *Cisticola cantans*, *C. chubbi*, *C. erythrops*, *C. hunteri*, *C. lateralis* (Passeriformes: Cisticolidae)

Aulobia dendroicae (Clark)

Syringophilus dendroicae Clark, 1964: 86

Aulobia dendroicae (Clark): Kethley, 1970: 41; Skoracki, Hendricks & Spicer, 2010: 33

Aulobia dendroicae (Clark): Skoracki, 2011: 99

Type locality: Maryland

Distribution: USA (Maryland, Florida, Georgia, California, Texas)

Hosts: *Setophaga [Dendroica] nigrescens*, *S. coronata* (Passeriformes: Parulidae)

Aulobia erythroptera Skoracki et Dabert

Aulobia erythroptera Skoracki & Dabert, 2001b: 208

Type locality: Kamina (Togo)

Distribution: Togo

Host: *Prinia [Heliolais] erythroptera* (Passeriformes: Cisticolidae)

Aulobia leucostictus Skoracki

Aulobia leucostictus Skoracki, 2011: 110

Type locality: Europe

Distribution: Europe

Host: *Leucosticte arctoa* (Passeriformes: Fringillidae)

Aulobia nectariniae Skoracki et Glowska

Aulobia nectariniae Skoracki & Glowska, 2008: 179

Type locality: New Guinea

Distribution: New Guinea

Hosts: *Cinnyris jugularis*, *Leptocoma sericea* (Passeriformes: Nectariniidae)

Aulobia stachyris (Bochkov, Mironov et Skoracki)

Syringophilopsis stachyris Bochkov, Mironov & Skoracki, 2001: 237

Aulobia stachyris (Bochkov, Mironov et Skoracki): Skoracki, 2011: 107

Type locality: Thirkhed-hunga

Distribution: Nepal

Host: *Cyanoderma [Stachyris] pyrrhops* (Passeriformes: Timaliidae)

Aulobia sylviae Bochkov et Mironov

Aulobia sylviae Bochkov & Mironov, 199[8]9: 9; Skoracki, 2011: 99

Type locality: Rybachiy village, Kurshskaya Spit, Kaliningrad Province

Distribution: Croatia, France, Jordan, Kazakhstan, Poland, Russia

Hosts: *Sylvia atricapilla*, *S. curruca*, *S. nisoria* (Passeriformes: Sylviidae)

Aulobia sylviettae (Fain, Bochkov et Mironov)

Syringophilopsis sylviettae Fain, Bochkov & Mironov, 2000: 57

Syringophilopsis sylvietta: Skoracki & Dabert, 2002: 138

Aulobia sylviettae Fain, Bochkov et Mironov): Skoracki, Hendricks & Spicer, 2010: 39;

Skoracki, 2011: 99 Skoracki, 2011: 99; Klimovičova et al., 2014a

Type locality: Rwanda

Distribution: Kenya, Rwanda

Host: *Sylvietta whytii johnstoni* (Passeriformes: Macrosphenidae)

Aulobia virens Skoracki et Dabert

Aulobia virens Skoracki & Dabert, 2001b: 211; Skoracki, 2011: 99

Type locality: Adina (Togo)

Distribution: Togo

Host: *Sylvietta virens flaviventris* (Passeriformes: Macrosphenidae)

Genus ***Aulonastus*** Kethley

Aulonastus Kethley, 1970: 47

Type species: *Aulonastus pipili* Kethley, 1970

Aulonastus albus Skoracki

Aulonastus albus Skoracki, 2002: 304; 2011: 136; Klimovičová & Hromada, 2014: 33

Type locality: Zachodniopomorskie, near Swinoujście

Distribution: Poland, Slovakia

Hosts: *Motacilla alba*, *M. flava* (Passeriformes: Motacillidae)

Aulonastus anthus Skoracki

Aulonastus anthus Skoracki, 2011: 150

Type locality: Wielkopolska, Katy

Distribution: Poland, Slovakia

Hosts: *Anthus cervinus*, *A. trivialis* (Passeriformes: Motacillidae)

Aulonastus emberizicus Skoracki, Hendricks et Spicer

Aulonastus emberizicus Skoracki, Hendricks & Spicer, 2010c: 132; Skoracki, 2011: 136

Type locality: Jaff Davis Co., Texas

Distribution: USA (California, Texas)

Hosts: *Ammodramus savannarum*, *Passerculus sandwichensis*, *Zonotrichia atricapilla*
(Passeriformes: Emberizidae)

Aulonastus euphagus Skoracki, Hendricks et Spicer

Aulonastus euphagus Skoracki, Hendricks & Spicer, 2010c: 134; Skoracki, 2011: 136

Type locality: Mono Co., California

Distribution: USA (California)

Host: *Euphagus cyanocephalus* (Passeriformes: Icteridae)

Aulonastus fringillus Skoracki

Aulonastus fringillus Skoracki, 2011: 152

Type locality: Wielkopolska, Katy

Distribution: Germany, Poland

Host: *Fringilla coelebs* (Passeriformes: Fringillidae)

Aulonastus henicorhina Sikora et Skoracki

Aulonastus henicorhina Sikora & Skoracki, 2012: 60

Type locality: Ecuador, near Quito

Distribution: Ecuador

Host: *Henicorhina leucosticta* (Passeriformes: Troglodytidae)

Aulonastus lanius Skoracki

Aulonastus lanius Skoracki, 2011: 146

Type locality: Europe

Distribution: Europe

Host: *Lanius senator* (Passeriformes: Laniidae)

Aulonastus loxius Skoracki

Aulonastus loxius Skoracki, 2011: 148

Type locality: Zachodniopomorskie, Darlowko Wschodnie, Bukowo – Kopan

Distribution: Poland

Host: *Loxia curvirostra* (Passeriformes: Fringillidae)

Aulonastus lusciniæ Skoracki

Aulonastus lusciniæ Skoracki, 2002: 301; 2011: 136

Type locality: Slovakia

Distribution: Slovakia

Host: *Luscinia luscinia* (Passeriformes: Muscicapidae)

Aulonastus nectariniphilus Skoracki et Zmudzinski

Aulonastus nectariniphilus Skoracki & Zmudzinski, 2018: 1

Type locality: Tanzania

Distribution: Tanzania

Host: *Anthreptes reichenowi* (Passeriformes: Nectariniidae)

Aulonastus paridus Sikora, Unsöld et Skoracki

Aulonastus paridus Sikora, Unsöld & Skoracki, 2016: 151

Type locality: 80 mi. S. Arusha

Distribution: Tanzania

Hosts: *Melaniparus albiventris*, *M. fringillinus* (Passeriformes: Paridae)

Aulonastus pipili Kethley

Aulonastus pipili Kethley, 1970: 48; Skoracki, 2011: 136

Type locality: Lake Placid, Highlands Co., Florida

Distribution: USA (Florida)

Host: *Pipilo erythrophthalmus* (Passeriformes: Passerellidae)

Aulonastus pirangus Skoracki, Hendricks et Spicer

Aulonastus pirangus Skoracki, Hendricks & Spicer, 2010c: 138; Skoracki, 2011: 136

Type locality: Sierra Co., California

Distribution: USA (California)

Host: *Piranga ludoviciana* (Passeriformes: Cardinalidae)

Aulonastus prunellae Bochkov et Mironov

Aulonastus prunellae Bochkov & Mironov, 1999: 38; Skoracki, 2011: 140

Type locality: Novgorod Prov., Chudovo Distr., Oskuy Vill.

Distribution: Russia

Host: *Prunella modularis* (Passeriformes: Prunellidae)

Aulonastus pteroptochos Sikora, Kaszewska et Skoracki

Aulonastus pteroptochos Sikora, Kaszewska & Skoracki, 2014: 422

Type locality: Chile, Valdivia

Distribution: Chile

Host: *Pteroptochos tarnii* (Passeriformes: Rhinocryptidae)

Aulonastus similis Broda, Dabert et Glowska

Aulonastus similis Broda, Dabert & Glowska, 2016: 716; Skoracki, 2017:180

Type locality: Los Tuxtlas Tropical Biological Station(UNAM), 18°350700N, 95°403100W,
Veracruz

Distribution: Mexico

Hosts: *Myiozetetes similis* (Passeriformes: Tyrannidae), *Habia fuscicauda*, *H. rubica* (Pass.,
Cardinalidae)

Aulonastus sturnellus Skoracki, Hendricks et Spicer

Aulonastus sturnellus Skoracki, Hendricks & Spicer, 2010c: 141; Skoracki, 2011: 136

Type locality: Johnson Co., Texas

Distribution: USA (Texas)

Host: *Sturnella magna* (Passeriformes: Icteridae)

Genus ***Betasyringophiloidus*** Skoracki

Betasyringophiloidus Skoracki, 2011: 86

Type species: *Betasyringophiloidus phoenicurus* Skoracki, 2011

Betasyringophiloidus emberizae Glowska, Broda et Dabert*Betasyringophiloidus emberizae* Glowska, Broda & Dabert, 2019: 4

Type locality: Novolitovsk, Partizanskiy District, Primorskiy Kray

Distribution: Russia

Host: *Emberiza tristrami* (Passeriformes: Emberizidae)***Betasyringophiloidus motacillae*** (Bochkov et Mironov)*Syringophiloidus motacillae* Bochkov & Mironov, 1998: 14; Bochkov & Galloway, 2001: 2025; Skoracki, Flannery & Spicer, 2009: 72*Betasyringophiloidus motacillae* (Bochkov et Mironov): Skoracki, 2011: 92; Klimovičová & Hromada, 2014: 33

Type locality: Rybachiy village, Kurshskaya Spit, Kaliningrad Province

Distribution: Canada, Poland, Russia, Slovakia, USA (California)

Host: *Motacilla flava* (Passeriformes: Motacillidae)***Betasyringophiloidus phoenicurus*** Skoracki*Betasyringophiloidus phoenicurus* Skoracki, 2011: 87; Pidhorna et al., 2020: 215

Type locality: Zachodniopomorskie, Węlny (Poland)

Distribution: Poland, Ukraine

Host: *Phoenicurus ochruros* (Passeriformes: Muscicapidae)***Betasyringophiloidus saxicolus*** Skoracki*Betasyringophiloidus saxicolus* Skoracki, 2011: 90; Pidhorna et al., 2020: 215

Type locality: Zachodniopomorskie, Węlny (Poland)

Distribution: Poland, Ukraine

Host: *Saxicola rubetra* (Passeriformes: Muscicapidae)***Betasyringophiloidus schoeniclus*** (Skoracki)*Syringophiloidus schoeniclus* Skoracki, 2002: 309*Syringophiloidus schoeniclusi*: Skoracki, 2004: 296; Skoracki & Bochkov, 2010: 65 *Betasyringophiloidus schoeniclus* (Skoracki): Skoracki, 2011: 96; Skoracki & Mironov, 2013; Glowska, Broda & Dabert, 2019: 6

Type locality: Slovenská Kajňa (Slovakia)

Distribution: Kazakhstan, Mongolia, Poland, Russia, Slovakia

Hosts: *Emberiza rutila*, *E. schoeniclus*, *E. tristrami* (Passeriformes: Emberizidae)***Betasyringophiloidus seiuri*** (Clark, 1964)*Syringophilus seiuri* Clark, 1964: 81*Syringophiloidus seiurus* (Clark): Kethley, 1970: 50; Skoracki & Dabert, 2002: 138*Syringophiloidus seiuri*: Bochkov & Galloway, 2001: 2025; Skoracki, 2011: 38

Betasyringophiloidus seiuri (Clark, 1964): Skoracki et al., 2016: 458; Skoracki, Spicer & OConnor, 2016: 458; Glowska, Broda & Dabert, 2019; Grossi & Proctor, 2020: 82; Skoracki, 2017: 180

Type locality: Maryland (USA)

Distribution: Canada (Manitoba), DR Congo, Mexico, Togo, USA (Maryland, Florida, S. Carolina, Massachusetts, Texas), Kenya

Hosts: *Geothlypis philadelphia*, *Helmitheros vermivorus*, *Oreothlypis peregrina*, *O. ruficapilla*, *Parkesia noveboracensis*, *Seiurus aurocapilla*, *Setophaga palmarum*, *S. pensylvanica* (Passeriformes: Parulidae), *Melospiza georgiana*, *M. lincolnii*, *M. melodia* (Passeriformes: Passerellidae), *Ploceus bagdafecht* (= *Othyphantes stuhlmanni*), *Ploceus* [*Pachyphantes*] *superciliosus*, *Ploceus xanthops*, *Quelea erythrops* (Passeriformes: Ploceidae), *Icterus pustulatus* (Passeriformes: Icteridae)

Genus ***Blaszakia*** Skoracki et Sikora

Blaszakia Skoracki & Sikora, 2008a: 328

Type species: *Galliphilopsis francolinus* Skoracki et Sikora, 2004

Blaszakia rossae Skoracki et Sikora

Blaszakia rossae Skoracki & Sikora, 2008a: 330

Type locality: Katanga, Kongolo

Distribution: DR Congo

Host: *Musophaga rossae* (Musophagiformes: Musophagidae)

Blaszakia tauracos Skoracki et Sikora

Blaszakia tauracos Skoracki & Sikora, 2008a: 328

Type locality: Uluguru (Tanzania)

Distribution: Guinea, Tanzania

Hosts: *Tauraco livingstoni*, *T. schalowi* (Musophagiformes: Musophagidae)

Genus ***Bochkovia*** Skoracki et OConnor

Bochkovia Skoracki & OConnor, 2010: 6

Type species: *Bochkovia phalaropi* Skoracki et OConnor, 2010

Bochkovia phalaropi Skoracki et OConnor

Bochkovia phalaropi Skoracki & OConnor, 2010: 8

Type locality: San Diego Co., San Diego

Distribution: USA

Host: *Phalaropus fulicarius* (Charadriiformes: Scolopacidae)

Genus ***Bubophilus*** Philips et Norton

Bubophilus Philips & Norton, 1978: 900

Type species: *Bubophilus ascalaphus* Philips et Norton, 1978

Bubophilus aluconis Nattress et Skoracki

Bubophilus aluconis Nattress et Skoracki, 2009: 49; Skoracki, 2011: 321; Skoracki et al., 2012: 37; Skoracki, Unsoeld, Marciniak & Sikora, 2016: 821

Type locality: England

Distribution: England, Poland, Tanzania

Hosts: *Asio otus*, *Strix aluco*, *S. woodfordii* (Strigiformes: Strigidae)

Bubophilus ascalaphus Philips et Norton

Bubophilus ascalaphus Philips & Norton, 1978: 900; Skoracki & Dabert, 2002: 146; Skoracki, 2011: 319; Skoracki, Unsoeld, Marciniak & Sikora, 2016: 821

Type locality: Central New York (USA)

Distribution: Cameroon, Nepal, South Africa, USA

Hosts: *Bubo africanus*, *B. ascalaphus*, *B. bubo*, *B. virginianus* (Strigiformes: Strigidae), *Tyto alba affinis* (Strigiformes: Tytonidae)

Bubophilus asiobius Skoracki et Bochkov

Bubophilus asiobius Skoracki & Bochkov, 2002: 142; Skoracki, 2011: 319; Skoracki, Unsoeld, Marciniak & Sikora, 2016: 821

Type locality: Darłówko Wschodnie (Poland)

Distribution: Germany, Poland

Host: *Asio otus* (Strigiformes: Strigidae)

Bubophilus tytonis Skoracki et Unsold

Bubophilus tytonis Skoracki & Unsold, 2002: 817

Type locality: Cameroon, Wasa

Distribution: Cameroon

Host: *Tyto alba affinis* (Strigiformes: Tytonidae)

Genus ***Charadriphilus*** Bochkov et Chistyakov

Charadriphilus Bochkov & Chistyakov, 2001: 295

Type species: *Charadriphilus lyudmilae* Bochkov et Chistyakov, 2001

Charadriaulobia Bochkov, Fain & Skoracki, 2004: 136

Type species: *Charadriaulobia vanelli* Bochkov, Fain et Skoracki, 2004

Charadriphilus gallinago (Bochkov et Mironov)

Aulobia gallinago Bochkov et Mironov, 1998: 8

Charadriaulobia gallinago: Bochkov, Fain & Skoracki, Fain & Skoracki, 2004: 138

Charadriphilus gallinago (Bochkov et Mironov): Skoracki, Dabert & Schmäscke, 2006: 61; Skoracki, 2011: 259

Type locality: St. Malo (France)

Distribution: France, Poland

Host: *Gallinago gallinago* (Charadriiformes: Scolopacidae)

Charadriphilus lyudmilae Bochkov et Chistyakov

Charadriphilus lyudmilae Bochkov & Chistyakov, 2001: 297; Skoracki, 2011: 256

Type locality: Pochi Village, Tosno Distr., Leningrad Distr.

Distribution: Russia

Host: *Scolopax rusticola* (Charadriiformes: Scolopacidae)

Charadriphilus paraguaiae (Skoracki et Sikora)

Aulobia paraguaiae Skoracki & Sikora, 2002: 5

Charadriphilus paraguaiae (Skoracki et Sikora): Skoracki, 2011: 256

Type locality: El Bolson – Rio Negro

Distribution: Argentina

Host: *Gallinago paraguaiae* (Charadriiformes: Scolopacidae)

Charadriphilus ralli Skoracki et Bochkov

Charadriphilus ralli Skoracki & Bochkov, 2010: 57; Skoracki, 2011: 260; Skoracki et al., 2014: 227

Type locality: Ongtustik Qazaqstan, Vysokoe village, Vysochanskiy Pond (Kazakhstan)

Distribution: Chile, Kazakhstan, Kirghizia, Paraguay, USA

Hosts: *Fulica americana*, *Gallinula melanops*, *Laterallus melanophaius*, *Porzana parva*, *Rallus aquaticus* (Gruiformes: Rallidae)

Charadriphilus vanelli (Bochkov, Fain et Skoracki)

Charadriaulobia vanelli Bochkov, Fain & Skoracki, 2004: 136

Charadriphilus vanelli (Bochkov, Fain et Skoracki): Skoracki, 2011: 256

Type locality: Brazil (Antwerp Zoo)

Distribution: Brazil

Host: *Vanellus chilensis* (Charadriiformes: Charadriidae)

Genus ***Chenophila*** Kethley

Chenophila Kethley, 1970: 37

Type species: *Chenophila branta* Kethley, 1970

Chenophila branta Kethley

Chenophila branta Kethley, 1970: 38; Skoracki, 2011: 267

Type locality: Kensington Park, Oakland Co., Michigan

Distribution: USA (Michigan)

Host: *Branta canadensis* (Anseriformes: Anatidae)

Chenophila kanduli Bochkov

Chenophila kanduli Bochkov, in Bochkov & Mironov, 1999: 7; Skoracki, 2011: 267

Type locality: Rybachiy village, Kurshskaya Spit, Kaliningrad Province

Distribution: Russia, USA

Hosts: *Anas clypeata*, *A. querquedula* (Anseriformes: Anatidae)

Chenophila marmaronetta Zmudzinski et Unsoeld

Chenophila marmaronetta Zmudzinski & Unsoeld, 2017: 477

Type locality: Turkey, Erciş

Distribution: Turkey

Host: *Marmaronetta angustirostris* (Anseriformes: Anatidae)

Chenophila nanseni Skoracki et Zawierucha

Chenophila nanseni Skoracki & Zawierucha, 2016: 123

Type locality: Svalbard, Nissenfjella

Distribution: Svalbard

Host: *Branta leucopsis* (Anseriformes: Anatidae)

Chenophila platyrhynchos Tymcio, Kavetska, Czyz et Skoracki

Chenophila platyrhynchos Tymcio, Kavetska, Czyz & Skoracki, 2013: 660

Type locality: Szczecin

Distribution: Poland

Host: *Anas platyrhynchos* (Anseriformes: Anatidae)

Genus ***Colinophilus*** Kethley

Colinophilus Kethley, 1973: 2

Type species: *Colinophilus wilsoni* Kethley, 1970

Colinophilus wilsoni Kethley

Colinophilus wilsoni Kethley, 1973: 2

Type locality: Tall Timbers Res. Station, Leon Co., Florida

Distribution: USA (Florida, Kentucky)

Hosts: *Calipepla squamata*, *Colinus virginianus* (Galliformes: Odontophoridae)

Genus ***Colisyrringophilus*** Skoracki, Unsoeld et Ozminski

Colisyrringophilus Skoracki, Unsoeld & Ozminski, 2013: 214

Type species: *Colisyrringophilus tanzanicus* Skoracki, Unsoeld et Ozminski, 2013

Colisyringophilus tanzanicus Skoracki, Unsoeld et Ozminski*Colisyringophilus tanzanicus* Skoracki, Unsoeld & Ozminski, 2013: 214

Type locality: Tanzania, Soga, Kibaha District

Distribution: Tanzania

Hosts: *Colius striatus*, *Urocolius macrourus* (Coliiformes: Coliidae)Genus ***Corvitorotroglus*** Skoracki et Bochkov*Corvitorotroglus* Skoracki & Bochkov, 2010: 54Type species: *Corvitorotroglus alpha* Skoracki et Bochkov, 2010***Corvitorotroglus alpha*** Skoracki et Bochkov*Corvitorotroglus alpha* Skoracki & Bochkov, 2010: 54

Type locality: Ongtustik Qazaqstan, Chockpak Ornithological Station

Distribution: Kazakhstan

Host: *Corvus frugilegus* (Passeriformes: Corvidae)Genus ***Creagonycha*** Kethley*Creagonycha* Kethley, 1970: 34Type species: *Creagonycha lara* Kethley, 1970***Creagonycha lara*** Kethley*Creagonycha lara* Kethley, 1970: 36; Skoracki, 2011: 271

Type locality: Coffee Bluff, Chatham Co., Georgia

Distribution: USA (Georgia)

Host: *Larus delawarensis* (Charadriiformes: Laridae)***Creagonycha sterna*** Kivganov*Creagonycha sterna* Kivganov, in Kivganov & Sharafat, 1995: 86; Skoracki, 2011: 274

Type locality: Odessa Prov., Tiligulski liman

Distribution: Ukraine

Host: *Sternula albifrons* (Charadriiformes: Laridae, Sterninae)***Creagonycha totani*** (Oudemans)*Syringophilus totani* Oudemans, 1904: 171; 1906: 57*Creagonycha totana* (Oudemans): Kethley, 1970: 37; Bochkov & Mironov, 1999: 10;

Głowska, Chrzanowski & Kaszewska, 2015: 15

Creagonycha totani (Oudemans): Skoracki et al., 2006; Skoracki, 2011: 271

Type locality: Arcachon, France

Distribution: Canada, France, Kazakhstan, Poland, Togo

Hosts: *Calidris alba*, *C. himantopus*, *C. minuta*, *C. temminckii*, *Tringa glareola*, *T. totanus* (Charadriiformes: Scolopacidae)

Genus ***Crotophagisyringophilus*** Skoracki*Crotophagisyringophilus* Skoracki, 2008a: 76Type species: *Crotosyringophilus io* Skoracki, 2008***Crotophagisyringophilus io*** Skoracki*Crotophagisyringophilus io* Skoracki, 2008a: 76; Hromada et al., 2016: 532; Skoracki, 2017:

Type locality: Prov. of Formosa (Argentina)

Distribution: Argentina, Bolivia, Mexico

Hosts: *Crotophaga ani*, *C. sulcirostris* (Cuculiformes: Cuculidae, Crotophaginae)Genus ***Cuculisyringophilus*** Skoracki*Cuculisyringophilus* Skoracki, 2008b: 155Type species: *Cuculisyringophilus crotophaginus* Skoracki, 2008***Cuculisyringophilus chirovi*** (Bochkov et Mironov)*Niglarobia chirovi* Bochkov & Mironov, 1999: 11*Cuculisyringophilus chirovi* (Bochkov et Mironov): Skoracki, 2011: 324; Hromada et al., 2016: 531

Type locality: Ottuk village, Issyk-Kul Lake (Kyrgyzstan)

Distribution: Indonesia, Kyrgyzstan, Papua New Guinea, Tanzania

Hosts: *Centropus goliath*, *Cercococcyx montanus*, *Cuculus canorus*, *C. solitarius*, *Pachycoccyx audeberti*, *Scythrops novaehollandiae* (Cuculiformes: Cuculidae)***Cuculisyringophilus crotophaginus*** Skoracki*Cuculisyringophilus crotophaginus* Skoracki, 2008b: 156; Hromada et al., 2016: 532

Type locality: Cambyrila (Paraguay)

Distribution: Colombia, Mexico, Paraguay

Hosts: *Crotophaga sulcirostris*, *Guira guira* (Cuculiformes: Cuculidae, Crotophaginae)Genus ***Fritschisyringophilus*** Bochkov, Fain et Skoracki*Fritschisyringophilus* Bochkov, Fain & Skoracki, 2004: 139Type species: *Fritschisyringophilus lonchurae* Bochkov, Fain et Skoracki, 2004***Fritschisyringophilus lonchurae*** Bochkov, Fain et Skoracki*Fritschisyringophilus lonchurae* Bochkov, Fain & Skoracki, 2004: 139

Type locality: India (Antwerp Zoo)

Distribution: India

Host: *Lonchura punctulata* (Passeriformes: Estrildidae)

Genus *Galliphilopsis* Skoracki et Sikora*Galliphilopsis* Skoracki & Sikora, 2004: 380Type species: *Galliphilopsis francolinus* Skoracki et Sikora, 2004***Galliphilopsis bochkovi* Skoracki et Sikora***Galliphilopsis bochkovi* Skoracki & Sikora, 2004: 382; Skoracki, 2011: 310

Type locality: Himalaya

Distribution: Himalaya (no other data)

Host: *Tragopan* sp. (Galliformes: Phasianidae). Note by Glowska, Chrzanowski & Kaszewska, 2015: 16: "The specimens recorded on *Alectoris barbara* and determined as *G. bochkovi* belong to *G. szeptyckii* (Skoracki & Sikora 2011)".***Galliphilopsis colinus* Skoracki et Sikora***Galliphilopsis colinus* Skoracki & Sikora, 2011: 20

Type locality: Zanderij (Suriname)

Distribution: Colombia, Suriname

Hosts: *Colinus cristatus*, *C. cristatus leucopogon* (Galliformes: Odontophoridae)***Galliphilopsis francolinus* Skoracki et Sikora***Galliphilopsis francolinus* Skoracki & Sikora, 2004: 380; Skoracki, 2011: 310

Type locality: South Africa

Distribution: South Africa

Host: *Francolinus levaillantoides* (Galliformes: Phasianidae)***Galliphilopsis lophurus* Skoracki et Sikora***Galliphilopsis lophurus* Skoracki & Sikora, 2004: 383; Skoracki, 2011: 310

Type locality: unknown

Distribution: unknown; host distribution in the Himalaya

Host: *Lophura leucomelanos* (Galliformes: Phasianidae)***Galliphilopsis szeptyckii* Skoracki et Sikora***Galliphilopsis szeptyckii* Skoracki & Sikora, 2011: 20; Glowska, Chrzanowski & Kaszewska, 2015: 16

Type locality: Adelaide (Australia)

Distribution: Australia, Indonesia, Italy (Sicily), Japan

Hosts: *Alectoris barbara*, *Coturnix chinensis*, *C. coturnix*, *C. pectoralis* (Galliformes: Phasianidae)**Genus *Ixobrychophilus* Skoracki, Zmudzinski et Solarczyk***Ixobrychophilus* Skoracki, Zmudzinski & Solarczyk, 2017: 270Type species: *Ixobrychophilus wallacei* Skoracki, Zmudzinski et Solarczyk, 2017

Ixobrychophilus wallacei* Skoracki, Zmudzinski et Solarczyk, 2017Ixobrychophilus wallacei* Skoracki, Zmudzinski & Solarczyk, 2017: 270

Type locality: China, Middle Course of Yangtze River

Distribution: China

Host: *Ixobrychus cinnamomeus* (Pelecaniformes: Ardeidae)**Genus *Kalamotrypetes* Casto***Kalamotrypetes* Casto, 1980: 233Type species: *Kalamotrypetes* Casto, 1980***Kalamotrypetes colinastes* Casto***Kalamotrypetes colinastes* Casto, 1980: 233

Type locality: Texas, La Salle Co.

Distribution: USA

Hosts: *Callipepla squamata*, *Colinus virginianus* (Galliformes: Odontophoridae)***Kalamotrypetes cracidus* Skoracki et Sikora***Kalamotrypetes cracidus* Skoracki et Sikora, 2011: 16

Type locality: Guyana

Distribution: Guyana, Paraguay

Hosts: *Ortalis canicollis*, *Penelope* sp. (Galliformes: Cracidae)**Genus *Kethleyana* Kivganov***Kethleyana* Kivganov, in Kivganov & Sharafat, 1995: 84Type species: *Kethleyana gelochelodoni* Kivganov, 1995***Kethleyana gelochelodoni* Kivganov***Kethleyana gelochelodoni* Kivganov, in Kivganov & Sharafat, 1995: 86; Skoracki, 2011: 275

Type locality: Odessa Prov., Tiligulski liman

Distribution: Ukraine

Host: *Gelochelidon nilotica* (Charadriiformes: Laridae)**Genus *Krantziaulonastus* Skoracki***Krantziaulonastus* Skoracki, 2011: 128Type species: *Krantziaulonastus* Skoracki, 2011***Krantziaulonastus buczekae* (Skoracki)***Aulonastus buczekae* Skoracki, 2002: 300*Krantziaulonastus buczekae* (Skoracki): Skoracki, 2011: 129

Type locality: Pomorskie, Kuznica-Hel

Distribution: Poland

Host: *Sturnus vulgaris* (Passeriformes: Sturnidae)

Krantziaulonastus dubinini Skoracki et Sikora

Krantziaulonastus dubinini Skoracki & Sikora, 2014: 197

Type locality: Russia, Tula District, Suvorov

Distribution: Russia

Host: *Passer domesticus* (Passeriformes: Passeridae)

Krantziaulonastus galbulicus (Skoracki)

Aulonastus galbulicus Skoracki, 2008: 48

Krantziaulonastus galbulicus (Skoracki): Skoracki, 2011: 128

Type locality: South America

Distribution: South America

Host: *Jacamaralcyon tridactyla* (Galbuliformes: Galbulidae)

Krantziaulonastus yoyomi Glowska et Skoracki

Krantziaulonastus yoyomi Glowska & Skoracki, 2011: 64

Type locality: unknown

Distribution: unknown

Host: *Dinemellia dinemelli* (Passeriformes: Ploceidae)

Genus ***Megasyringophilus*** Fain, Bochkov et Mironov

Megasyringophilus Fain, Bochkov & Mironov, 2000: 35.

Type species: *Megasyringophilus kethleyi* Fain, Bochkov et Mironov, 2000

Megasyringophilus aquilus Skoracki, Lontkowski et Stawarczyk

Megasyringophilus aquilus Skoracki, Lontkowski & Stawarczyk, 2010: 1204; Zmudzinski et al., 2015: 292

Type locality: South Africa

Distribution: Kazakhstan, France, Poland, South Africa, Spain

Hosts: *Accipiter nisus*, *Aquila rapax*, *Clanga pomarina*, *Hieraaetus pennatus* (Accipitriformes: Accipitridae)

Megasyringophilus cacatua Glowska et Laniecka

Megasyringophilus cacatua Glowska & Laniecka, 2013: 386

Type locality: Australia, Mount Hart

Distribution: Australia

Host: *Cacatua galerita* (Psittaciformes: Cacatuidae)

Megasyringophilus cyanocephala Fain, Bochkov et Mironov

Megasyringophilus cyanocephala Fain, Bochkov & Mironov, 2000: 40; Bochkov & Fain, 2003: 3; Skoracki, 2005: 128

Type locality: India (Zoo of Antwerp)

Distribution: India

Hosts: *Psittacula cyanocephala*, *P. eupatria*, *P. krameri* (Psittaciformes: Psittaculidae)

Megasyringophilus dalmas Skoracki et Unsoeld

Megasyringophilus dalmas Skoracki & Unsoeld, 2016: 822

Type locality: Venezuela

Distribution: Venezuela

Host: *Megascops choliba* (Strigiformes: Strigidae)

Megasyringophilus dubinini Bochkov et Mironov

Megasyringophilus dubinini Bochkov & Fain, 2003: 3

Type locality: Sulawesi

Distribution: Indonesia

Host: *Trichoglossus ornatus* (Psittaciformes: Psittaculidae)

Megasyringophilus eos Skoracki

Megasyringophilus eos Skoracki, 2005b: 132

Type locality: Ceram I.

Distribution: Indonesia (Ceram)

Host: *Eos bornea* (Psittaciformes: Psittaculidae)

Megasyringophilus geoffroyus Skoracki

Megasyringophilus geoffroyus Skoracki, 2005b: 132

Type locality: New Guinea

Distribution: New Guinea

Host: *Geoffroyus geoffroyi* (Psittaciformes: Psittaculidae)

Megasyringophilus kethleyi Fain, Bochkov et Mironov

Megasyringophilus kethleyi Fain, Bochkov & Mironov, 2000: 35; Bochkov & Fain, 2003

Type locality: Brazil (Zoo of Antwerp)

Distribution: Brazil

Hosts: *Aratinga jandaya*, *A. pertinax*, *Brotogeris versicolurus* (Psittaciformes: Psittacidae)

Megasyringophilus platycercus Bochkov et Fain

Megasyringophilus platycercus Bochkov & Fain, 2003: 4

Type locality: Australia

Distribution: Australia

Host: *Platycercus eximius* (Psittaciformes: Psittaculidae)

Megasyringophilus rhynchopsittae Bochkov et Perez

Megasyringophilus rhynchopsittae Bochkov & Perez, 2002: 157

Type locality: Mesa de las Guacamayas, Mpio. Janos

Distribution: Mexico

Host: *Rhynchopsitta pachyrhyncha* (Psittaciformes: Psittacidae)

Megasyringophilus trichoglossus Fain, Bochkov et Mironov

Megasyringophilus trichoglossus Fain, Bochkov & Mironov, 2000: 37; Skoracki, 2005b: 132

Type locality: New Guinea (Zoo of Antwerp)

Distribution: Australia, Indonesia (Timor), New Guinea

Hosts: *Trichoglossus chlorolepidotus*, *T. euteles* (Psittaciformes: Psittaculidae)

Genus ***Meitingsunes*** Glowska et Skoracki

Meitingsunes Glowska & Skoracki, 2010: 61

Type species: *Meitingsunes aldwelles* Glowska et Skoracki, 2010

Meitingsunes aldwelles Glowska et Skoracki

Meitingsunes aldwelles Glowska & Skoracki, 2010: 61; Skoracki, 2011: 301; Kaszewska, Skoracki & Kavetska, 2016: 480

Type locality: Choco

Distribution: Colombia

Host: *Geotrygon frenata* (Columbiformes: Columbidae)

Meitingsunes caprimulgus Skoracki, Kaszewska, Unsoeld et Skorupski

Meitingsunes caprimulgus Skoracki, Kaszewska, Unsoeld & Skorupski, 2015: 128

Type locality: Colombia

Distribution: Colombia

Host: *Chordeiles minor* (Caprimulgiformes: Caprimulgidae)

Meitingsunes chalcophaps Kaszewska, Skoracki et Kavetska

Meitingsunes chalcophaps Kaszewska, Skoracki & Kavetska, 2016: 480

Type locality: West Timor

Distribution: Indonesia

Host: *Chalcophaps indica* (Columbiformes: Columbidae)

Meitingsunes columbicus Skoracki

Meitingsunes columbicus Skoracki, 2011: 302; Kaszewska, Skoracki & Kavetska, 2016: 480

Type locality: Wielkopolska, Poznan

Distribution: Cameroon, Kazakhstan, Poland, Russia

Hosts: *Columba livia*, *C. oenas*, *C. palumbus*, *Treron waalia* (Columbiformes: Columbidae)

Meitingsunes ptilinopus Kaszewska, Skoracki et Kavetska

Meitingsunes ptilinopus Kaszewska, Skoracki & Kavetska, 2020: 2

Type locality: Australia

Distribution: Australia and New Guinea

Hosts: *Ptilinopus magnificus*, *P. rivoli* (Columbiformes: Columbidae)

Meitingsunes turacoensis Kaszewska, Skoracki et Kavetska

Meitingsunes turacoensis Kaszewska, Skoracki & Kavetska, 2016: 483

Type locality: Sulawesi, Manado

Distribution: Indonesia (Sulawesi, West Timor)

Hosts: *Turacoena manadensis*, *T. modesta* (Columbiformes: Columbidae)

Meitingsunes tympanistria (Skoracki et Dabert)

Peristerophila tympanistria Skoracki & Dabert, 2002: 141

Meitingsunes tympanistria (Skoracki et Dabert): Glowska & Skoracki, 2010: 61; Skoracki, 2011: 301; Kaszewska, Skoracki & Kavetska, 2016: 480

Type locality: Missahohe

Distribution: Togo

Host: *Turtur tympanistria* (Columbiformes: Columbidae)

Meitingsunes zenaidurae (Clark)

Syringophilus zenadurae Clark, 1964: 83

Peristerophila zenadoura (Clark): Kethley, 1970: 56; Bochkov & Mironov, 1998: 15; Skoracki & Glowska, 2008: 159

Peristerophila zenadourae (Clark): Skoracki & Sikora, 2002: 8; Skoracki & Bochkov, 2010: 66

Meitingsunes zenadourae (Clark): Glowska & Skoracki, 2010: 61; Skoracki, 2011: 301

Type locality: Maryland

Distribution: Argentina, N. Africa, Kazakhstan, USA (Maryland)

Hosts: *Columba livia*, *Zenaida auriculata*, *Z. asiatica*, *Z. macroura* (Columbiformes: Columbidae)

Genus ***Mironovia*** Chirov et Kravtsova

Mironovia Chirov & Kravtsova, 1995: 370

Type species: *Mironovia phasiani* Chirov et Kravtsova, 1995

Mironovia coturnae Bochkov, Fain et Skoracki

Mironovia coturnae Bochkov, Fain & Skoracki, 2004: 142; Skoracki, 2011

Type locality: Belgium

Distribution: Belgium, Poland

Host: *Coturnix coturnix* (Galliformes: Phasianidae)

Mironovia lagopus Bochkov et Skirnisson

Mironovia lagopus Bochkov & Skirnisson, 2011: 715; Skoracki & Sikora, 2011: 13

Type locality: Iceland, Lake Mývatn

Distribution: Iceland, Norway

Hosts: *Lagopus lagopus*, *L. muta* (Galliformes: Phasianidae)

Mironovia pavodaptes (Casto)

Kalamotrypetes pavodaptes Casto, 1980: 237

Mironovia pavodaptes (Casto): Skoracki & Sikora, 2011: 19

Type locality: Texas, Ft. Hood Reservation, Bell Co.

Distribution: USA

Host: *Meleagris gallopavo* [*pavodaptes*] (Galliformes: Phasianidae)

Mironovia phasiani Chirov et Kravtsova

Mironovia phasiani Chirov & Kravtsova, 1995: 370; Skoracki, 2011: 315

Type locality: Tokmak, Kyrgyzstan

Distribution: Kyrgyzstan

Host: *Phasianus colchicus* (Galliformes: Phasianidae)

Mironovia rouloul Skoracki et Sikora

Mironovia rouloul Skoracki & Sikora, 2004 : 385; Skoracki, 2011

Type locality: Sumatra

Distribution: Indonesia (Sumatra)

Host: *Rollulus rouloul* (Galliformes: Phasianidae)

Genus ***Neoaulobia*** Fain, Bochkov et Mironov

Neoaulobia Fain, Bochkov & Mironov, 2000: 40

Type species: *Neoaulobia aratingae* Fain, Bochkov et Mironov, 2000

Neoaulobia agapornis Fain, Bochkov et Mironov

Neoaulobia agapornis Fain, Bochkov & Mironov, 2000: 44; Bochkov & Fain, 2003: 151;
Skoracki, 2005: 128

Neoaulobia agaporni: Skoracki & Dabert, 2002: 138

Type locality: Zambia

Distribution: Ethiopia, Namibia, Tanzania, Zambia

Hosts: *Agapornis fisheri*, *A. nigrigenis*, *A. personatus*, *A. roseicollis*, *A. taranta* (Psittaciformes: Psittaculidae)

Neoaulobia aratingae Fain, Bochkov et Mironov*Neoaulobia aratingae* Fain, Bochkov & Mironov, 2000: 40; Skoracki, 2005b: 128

Type locality: Brazil (Antwerp Zoo)

Distribution: Brazil

Host: *Aratinga jandaya* (Psittaciformes: Psittacidae)***Neoaulobia cacatua*** Marciniak, Skoracki et Hromada*Neoaulobia cacatua* Marciniak, Skoracki & Hromada, 2019: 192

Type locality: Australia, Victoria State, Melbourne

Distribution: Australia, Papua New Guinea

Hosts: *Calyptorhynchus funereus*, *Probosciger aterrimus* (Psittaciformes: Cacatuidae)***Neoaulobia krafti*** Skoracki*Neoaulobia krafti* Skoracki, 2005b: 129

Type locality: Australia, New Holland

Distribution: Australia

Host: *Cacatua tenuirostris* (Psittaciformes: Cacatuidae)***Neoaulobia mexicana*** Bochkov et Perez*Neoaulobia mexicana* Bochkov & Perez, 2002: 149; Bochkov & Fain, 2003: 3; Skoracki, 2005b: 128

Type locality: Huacana, Piaxtla, Sinaloa

Distribution: Brazil, Mexico

Hosts: *Aratinga canicularis*, *A. pertinax* (Psittaciformes: Psittacidae)***Neoaulobia mironovi*** Bochkov et Perez*Neoaulobia mironovi* Bochkov & Perez, 2002: 146; Skoracki, 2005b: 129

Type locality: Piaxtla, Sinaloa

Distribution: Mexico

Host: *Amazona finschi* (Psittaciformes: Psittacidae)***Neoaulobia psittaculae*** Fain, Bochkov et Mironov*Neoaulobia psittaculae* Fain, Bochkov & Mironov, 2000: 44; Skoracki, 2005b: 129

Type locality: India (Zoo of Antwerp)

Distribution: India

Host: *Psittacula cyanocephala* (Psittaciformes: Psittaculidae)***Neoaulobia puylaerti*** (Skoracki et Dabert)*Aulobia puylaerti* Skoracki & Dabert, 1999: 523*Neoaulobia puylaerti* (Skoracki et Dabert): Skoracki & Dabert, 2002: 138; Skoracki, 2005b: 129; Glowska et al., 2015: 21

Type locality: Namound joga (Togo)

Distribution: Indonesia (Java), Philippines (Luzon), Togo

Hosts: *Loriculus philippensis*, *L. pusillus*, (Psittaciformes: Psittaculidae), *Poicephalus senegalus* (Psittaciformes: Psittacidae)

Genus ***Neoaulonastus*** Skoracki

Dissonus Skoracki, 1999a: 155 (praeoccup.)

Neoaulonastus Skoracki, 2004: 445

Type species: *Dissonus scirpaceus* Skoracki, 1999

Neoaulonastus aegithalos Skoracki

Neoaulonastus aegithalos Skoracki, 2011: 122

Type locality: Opolskie, Turawa Lake

Distribution: Poland

Host: *Aegithalos caudatus* (Passeriformes: Aegithalidae)

Neoaulonastus apalis Klimovičova, Mikula, Kahure et Hromada

Neoaulonastus apalis Klimovičova, Mikula, Kahure & Hromada, 2014: 573

Type locality: Kenya

Distribution: Kenya

Host: *Apalis porphyrolaema* (Passeriformes: Cisticolidae)

Neoaulonastus bisetatus (Fritsch)

Syringophilus bisetatus Fritsch, 1958: 238

Dissonus scirpaceus Skoracki, 1999a: 157; Skoracki & Hebda, 2004: 5

Neoaulonastus scirpaceus (Skoracki): Skoracki, 2004: 445; Skoracki & Bochkov, 2010: 65

Neoaulonastus bisetatus (Fritsch, 1958): Skoracki, 2011: 113; Klimovičová & Hromada, 2014: 33; Pidhorna et al., 2020: 215

Type locality: Germany

Type locality of *Dissonus scirpaceus* Skoracki: Mierzeja Wiślana (Poland)

Distribution: Germany, Jordan, Kazakhstan, Kenya, Poland, Russia, Slovakia, Ukraine

Hosts: *Acrocephalus arundinaceus*, *A. baeticatus*, *A. dumetorum*, *A. paludicola*, *A. palustris*, *A. scirpaceus* (Passeriformes: Acrocephalidae), *Sylvia atricapilla*, *S. communis*, *S. curruca* (Passeriformes: Sylviidae)

Neoaulonastus caligatus Skoracki

Neoaulonastus caligatus Skoracki, 2011: 120

Type locality: Europe

Distribution: Europe

Host: *Iduna caligata* (Passeriformes: Sylviidae)

Neoaulonastus chrysocolaptes Skoracky et OConnor

Neoaulonastus chrysocolaptes Skoracky & OConnor, 2010: 22; Skoracki, 2011: 127; Glowska et al., 2015: 21

Type locality: Luzon Is., Cagayan Prov., Penablanca Munic., betw. Bagio and Iland Rivers

Distribution: Philippines

Host: *Chrysocolaptes lucidus* (Piciformes: Picidae)

Neoaulonastus cinnyris Klimovičova, Smolak, Njiroge et Hromada

Neoaulonastus cinnyris Klimovičova, Smolak, Njiroge & Hromada, 2014: 256

Type locality: Tanzania, Magamba

Distribution: Tanzania

Host: *Cinnyris mediocris* (Passeriformes: Nectariniidae)

Neoaulonastus granatina Skoracki, Hromada et Unsoeld

Neoaulonastus granatina Skoracki, Hromada & Unsoeld, 2013: 372

Type locality: Tanzania, Simangiro

Distribution: Tanzania

Host: *Granatina ianthinogaster* (Passeriformes: Estrildidae)

Neoaulonastus grewlingi Glowska

Neoaulonastus grewlingi Glowska, 2013: 20

Type locality: Australia

Distribution: Australia

Host: *Falcunculus frontatus* (Passeriformes: Falcunculidae)

Neoaulonastus lonchurus (Skoracki)

Krantziaulonastus lonchurus Skoracki, 2011: 133

Neoaulonastus lonchurus (Skoracki): Skoracki, Hromada, Prevuznakova & Wamiti, 2019: 1806

Type locality: China

Distribution: China, Kenya, Uganda

Hosts: *Estrilda astrild*, *E. atricapilla*, *E. nonnula*, *E. erythronotus*, *E. rhodopyga*, *E. troglodytes*, *Lonchura punctulata* (Passeriformes: Estrildidae)

Neoaulonastus malaconotus Klimovičova, Skoracki, Njoroge et Hromada

Neoaulonastus malaconotus Klimovičova, Skoracki, Njoroge & Hromada, 2016: 187

Type locality: Liberia, Grassfield (78300N; 88350W, altitude 165 m.a.s.l.).

Distribution: Kenya, Liberia, Somalia

Hosts: *Laniarius aethiopicus*, *Nilais afer*, *Telophorus nigrifrons* (Passeriformes: Malacotidae)

Neoaulonastus oryzivorus (Skoracki)

Krantziaulonastus oryzivorus Skoracki, 2011: 131

Neoaulonastus oryzivorus (Skoracki): Skoracki et al., 2019; Skoracki, Hromada, Prevuznakova & Wamiti, 2019: 1804

Type locality: Japan

Distribution: Japan, Kenya, Uganda

Hosts: *Estrilda astrild*, *E. atricapilla*, *Lonchura oryzivora* (Passeriformes: Estrildidae)

Neoaulonastus picidus Skoracki

Neoaulonastus picidus Skoracki, 2011: 124

Type locality: Bardejov (Slovakia)

Distribution: Germany, Poland, Slovakia

Hosts: *Dendrocopos leucotos*, *D. major*, *Picus canus* (Piciformes: Picidae)

Neoaulonastus prionops Klimovičova, Skoracki et Hromada

Neoaulonastus prionops Klimovičova, Skoracki & Hromada, 2016: 579

Type locality: Meru Forest, 1676 m

Distribution: Kenya

Host: *Prionops sulcifrons* (Passeriformes: Vangidae)

Neoaulonastus quelea Skoracki, Hromada et Unsoeld

Neoaulonastus quelea Skoracki, Hromada & Unsoeld, 2013: 372

Type locality: Tanzania, Arusha, Usa-River

Distribution: Tanzania

Host: *Quelea quelea* (Passeriformes: Ploceidae)

Neoaulonastus remizus Skoracki

Neoaulonastus remizus Skoracki, 2011: 117

Type locality: Opolskie, Turawa Lake

Distribution: Poland

Host: *Remiz pendulinus* (Passeriformes: Remizidae)

Neoaulonastus riparius Skoracki

Neoaulonastus riparius Skoracki, 2011: 126

Type locality: Wielkopolska, Katy

Distribution: Poland

Host: *Riparia riparia* (Passeriformes: Hirundinidae)

Neoaulonastus sidorchukae Zmudzinski, Skoracki et Hromada

Neoaulonastus sidorchukae Zmudzinski, Skoracki & Hromada, 2019: 84

Type locality: Sri Lanka

Distribution: Sri Lanka

Host: *Leptocoma zeylonica* (Passeriformes: Nectariniidae)

Neoaulonastus tanzanicus Skoracki, Hromada et Unsoeld

Neoaulonastus tanzanicus Skoracki, Hromada & Unsoeld, 2013: 369; Skoracki et al., 2016: 1544

Type locality: Tanzania

Distribution: Madagascar, Tanzania

Hosts: *Euplectes axillaris*, *Ploceus nelicourvi* (Passeriformes: Ploceidae)

Neoaulonastus zosterops Skoracki, Antczak et Riegert

Neoaulonastus zosterops Skoracki, Antczak & Riegert, 2009: 129; Skoracki & Mironov, 2013: 129

Type locality: Cameroon

Distribution: Cameroon, Russia (Primorskiy Krai)

Hosts: *Zosterops erythropleurus*, *Z. senegalensis* (Passeriformes: Zosteropidae)

Genus ***Neobubophilus*** Skoracki et Unsoeld

Neobubophilus Skoracki & Unsoeld, 2016: 816

Type species: *Neobubophilus atheneus* Skoracki et Unsoeld, 2016

Neobubophilus atheneus Skoracki et Unsoeld

Neobubophilus atheneus Skoracki & Unsoeld, 2016: 816

Type locality: India

Distribution: India

Hosts: *Athene brama*, *A. noctua* (Strigiformes: Strigidae)

Neobubophilus cunicularius Skoracki et Unsoeld

Neobubophilus cunicularius Skoracki & Unsoeld, 2016: 817

Type locality: San Pedro Dept., New Germanias Distr.

Distribution: Paraguay

Host: *Athene cunicularia* (Strigiformes: Strigidae)

Genus ***Neoperisterophila*** Skoracki

Neoperisterophila Skoracki, 2005c: 155

Type species: *Neoperisterophila regiusi* Skoracki, 2005

Neoperisterophila regiusi Skoracki

Neoperisterophila regiusi Skoracki, 2005c: 156

Type locality: New Guinea (no more data, presumed to come from Papua New Guinea)

Distribution: New Guinea

Host: *Cicinnurus regius* (Passeriformes: Paradisaeidae)

Genus *Neosyringophilopsis* Skoracki et Sikora*Neosyringophilopsis* Skoracki & Sikora, 2005: 22Type species: *Neosyringophilopsis acanthizus* Skoracki et Sikora, 2005***Neosyringophilopsis acanthizus* Skoracki et Sikora***Neosyringophilopsis acanthizus* Skoracki & Sikora, 2005: 23; Skoracki, 2011: 206

Type locality: Australia, New Holland

Distribution: Australia

Host: *Acanthiza inornata* (Passeriformes: Acanthizidae)***Neosyringophilopsis aegithali* (Bochkov, Mironov et Skoracki)***Syringophilopsis aegythali* Bochkov, Mironov & Skoracki, 2001: 235; Skoracki, 2004c: 57;
Skoracki & Hebda, 2004: 5*Neosyringophilopsis aegythali* Skoracki & Sikora, 2005: 26*Neosyringophilopsis aegithali*: Nattress & Skoracki, 2009: 53; Skoracki, 2011: 215;
Klimovičová & Hromada, 2014: 34

Type locality: Oskuy Village, Chudovo Distr., Novgorod Prov., Russia

Distribution: England, Poland, Russia, Slovakia

Host: *Aegithalos caudatus* (Passeriformes: Aegithalidae)***Neosyringophilopsis garrulaxi* (Bochkov, Mironov et Skoracki)***Syringophilopsis garrulaxi* Bochkov, Mironov & Skoracki, 2001: 236*Neosyringophilopsis garrulaxi* (Bochkov, Mironov & Skoracki): Skoracki & Sikora, 2005:
26; Skoracki, 2011: 206

Type locality: Kolopani, S. Mustang

Distribution: Nepal

Host: *Trochalopteron affine* [*Garrulax affinis*] (Passeriformes: Leiotrichidae)***Neosyringophilopsis locustellus* (Skoracki)***Syringophilopsis locustellus* Skoracki, 2004: 51*Neosyringophilopsis locustellus*: Skoracki & Sikora, 2005: 26; Skoracki, 2011: 218

Type locality: Zachodniopomorskie, Swinoujstie

Distribution: Poland

Hosts: *Locustella luscinioides*, *L. naevia* (Passeriformes: Locustellidae)***Neosyringophilopsis lonchurus* Skoracki***Neosyringophilopsis lonchurae* Skoracki, 2008: 45 (also as “*lonchurus*”)*Neosyringophilopsis lonchurus*: Skoracki, 2011: 206; Skoracki et al., 2019: 1806

Type locality: Africa

Distribution: Kenya, Uganda

Hosts: *Estrilda astrild*, *E. atricapilla*, *E. nonnula*, *E. erythronotus*, *E. rhodopyga*, *E. troglodytes*, *Spermestes cucullata* [*Lonchurus cucullatus*] (Passeriformes: Estrildidae)

Neosyringophilopsis lybidus Skoracki, Klimovičová, Muchai et Hromada

Neosyringophilopsis lybidus Skoracki, Klimovičová, Muchai et Hromada, 2014: 180

Type locality: Kenya, Ewaso Nigro River, W.Naro Moru

Distribution: Kenya

Host: *Pogoniulus bilineatus* (Piciformes: Lybiidae)

Neosyringophilopsis phylloscopi Bochkov, Mironov et Skoracki

Syringophilopsis phylloscopi Bochkov, Mironov & Skoracki, 2001: 234; Skoracki, 2004c: 57

Neosyringophilopsis phylloscopi: Skoracki & Sikora, 2005: 26

Type locality: St. Malo (France)

Distribution: France, Poland, Slovakia

Hosts: *Phylloscopus collybita*, *Ph. trochilus* (Passeriformes: Phylloscopidae)

Neosyringophilopsis troglodytis (Fritsch)

Syringophilus troglodytis Fritsch, 1958: 238; Kethley, 1970: 65; Skoracki, 1999: 184 *Syringophilopsis troglodytis*: Bochkov & Mironov, 1998: 5; Bochkov & Galloway, 2001: 2023; Skoracki, 2004c: 57

Neosyringophilopsis troglodytis Skoracki & Sikora, 2005: 26; Nattress & Skoracki, 2007: 143; Skoracki, 2011: 213; Skoracki, Spicer & OConnor, 2016: 460

Type locality: Germany

Distribution: Canada, England, Germany, Poland

Hosts: *Troglodytes aedon*, *T. troglodytes* (Passeriformes: Troglodytidae)

Genus ***Niglarobia*** Kethley

Niglarobia Kethley, 1970: 43

Type species: *Niglarobia ereuneti* Kethley, 1970

Niglarobia cursoriae Skoracki, Dabert et Schmäscke

Niglarobia cursoriae Skoracki, Dabert & Schmäscke, 2006: 55; Skoracki, 2011: 288

Type locality: Ahlenhorst Distr.

Distribution: Namibia

Host: *Cursorius temminckii* (Charadriiformes: Glareolidae)

Niglarobia ereuneti Kethley

Niglarobia ereuneti Kethley, 1970: 44; Skoracki, 2011: 288

Type locality: Sapelo Island, Georgia

Distribution: USA (Georgia)

Host: *Calidris* [*Ereunetes*] *pusilla* (Charadriiformes: Scolopacidae)

***Niglarobia helleri* (Oudemans)**

Syringophilus helleri Oudemans, 1904: 190; 1906: 62; Dubinin, 1957: 94; Fritsch, 1958: 229

Niglarobia helleri (Oudemans): Kethley, 1970: 47; Bochkov & Mironov, 1998: 12; Skoracki & Sikora, 2002: 7; Skoracki, Dabert & Schmäscke, 2006: 56; Skoracki, 2011: 288

Type locality: France

Distribution: Argentina, France, Poland, USA

Hosts: *Arenaria interpres*, *Tringa flavipes*, *T. ochropus*, *T. totanus*, *T. stagnatilis* (Charadriiformes: Scolopacidae)

***Niglarobia lapponica* Zmudzinski et Unsoeld**

Niglarobia lapponica Zmudzinski & Unsoeld, 2019: 367

Type locality: Germany

Distribution: Germany

Host: *Limosa lapponica* (Charadriiformes: Scolopacidae)

***Niglarobia rhinoptili* Fain, Bochkov et Mironov**

Niglarobia rhinoptili Fain, Bochkov & Mironov, 2000: 61; Skoracki & Dabert, 2002: 138; Skoracki, 2011: 288

Type locality: Bloemhof

Distribution: South Africa

Host: *Smutornis [Rhinoptilus] africanus* (Charadriiformes: Glareolidae)

***Niglarobia trouessarti* (Oudemans)**

Syringophilus trouessarti Oudemans, 1904: 190; 1906: 67; Dubinin, 1957: 94

Niglarobia trouessarti (Oudemans): Kethley, 1970: 47; Skoracki, 2011: 288

Type locality: South America ("Amérique chaude")

Distribution: South America

Host: *Aramus guarauna [scolopaceus]* (Gruiformes: Aramididae)

***Niglarobia vanelli* Zmudzinski et Skoracki**

Niglarobia vanelli Zmudzinski & Skoracki, 2018: 704

Type locality: Germany

Distribution: Germany, Russia, Tanzania

Hosts: *Vanellus albiceps*, *V. coconatus*, *V. crassirostris*, *V. gregarius*, *V. lugubris*, *V. senegallus*, *V. spinosus*, *V. vanellus* (Charadriiformes: Charadriidae)

Genus *Paraniglarobia* Skoracki

Paraniglarobia Skoracki, 2011: 290

Type species: *Paraniglarobia* Skoracki, 2011

***Paraniglarobia calidridis* (Bochkov et Mironov)**

Niglarobia calidridis Bochkov & Mironov, 1999: 12

Paraniglarobia calidridis (Bochkov et Mironov): Skoracki, 2011: 291

Type locality: Sary-Su river, Kzyl Orda Prov.

Distribution: Kazakhstan

Host: *Calidris minuta* (Charadriiformes: Scolopacidae)

Paraniglarobia skorackii (Bochkov et Galloway)

Niglarobia skorackii Bochkov & Galloway, 2004: 40

Paraniglarobia skorackii (Bochkov et Galloway): Skoracki, 2011: 291

Type locality: Manitoba: Whitewater Lake

Distribution: Canada

Host: *Tringa melanoleuca* (Charadriiformes: Scolopacidae)

Genus ***Peristerophila*** Kethley

Peristerophila Kethley, 1970: 53

Type species: *Syringophilus columbae* Hirst, 1920

Castosyringophilus Bochkov & Perez, 2002: 151 (syn. by Skoracki, Hromada, Kaszewska & Sikora, 2020)

Type species: *Peristerophila mucuya* Casto, 1980

Peristerophila accipitridicus Skoracki, Lontkowski et Stawarczyk

Peristerophila accipitridicus Skoracki, Lontkowski & Stawarczyk, 2010: 1207; Skoracki & Bochkov, 2010: 66; Skoracki, 2011: 297; Zmudzinski et al., 2015: 292; Skoracki et al., 2016: 1545

Type locality: bird imported from Africa in Wroclaw Zoo

Distribution: Africa, France, Germany, Kazakhstan, Madagascar

Hosts: *Accipiter francesiae*, *A. nisus*, *Buteo lagopus*, *Circaetus gallicus*, *Terathopius ecaudatus* (Accipitriformes: Accipitridae)

Peristerophila claravis (Skoracki et Glowska)

Castosyringophilus claravis Skoracki & Glowska, 2008b: 155

Peristerophila claravis (Skoracki et Glowska): Skoracki et al., 2020: 1803; Kaszewska et al., 2020: 358

Type locality: Sierra de Chiquitos

Distribution: Bolivia, Colombia, Ethiopia, Panama, Paraguay, Sudan, Tanzania

Hosts: *Claravis pretiosa*, *Oenas capensis* (Columbiformes: Columbidae)

Peristerophila columbae (Hirst)

Syringophilus columbae Hirst, 1920: 121; 1922: fig. 41; Dubinin, 1957: 94; Brown, 1971: 1380

Peristerophila columba (Hirst): Kethley, 1970: 56; Casto, 1976; Bochkov & Mironov, 1998: 14

Peristerophila columbae (Hirst): Nattress & Skoracki, 2009: 53; Skoracki, 2011: 294; Kaszewska et al., 2020: 355

Type locality: Tennessee (USA)

Distribution: Angola, Argentina, Canada, China, D.R. Congo, England, Germany, Greece, Hungary, India, Iran, Japan, Jordan, Kenya, Nepal, N. Macedonia, Panama, Poland, Portugal, South Africa, Suriname, Tanzania, Turkey, USA (Tennessee, Kansas, etc.)

Hosts: *Columba arguatrix*, *C. guinea*, *C. leuconota*, *C. livia*, *C. oenas*, *C. palumbus*, *C. trocaz*, *Geotrygon chiriquensis*, *Patagioenas speciosa*, *Streptopelia capicola*, *S. decaocto*, *S. decipiens*, *S. orientalis*, *S. semitorquata*, *S. transquebarica*, *S. turtur*, *Zenaida auriculata* (Columbiformes: Columbidae); *Buteo jamaicensis* (Accipitriiformes: Accipitridae)

Peristerophila coraciidus Skoracki, Hromada et Sikora

Peristerophila coraciidus Skoracki, Hromada & Sikora, 2020: 175

Type locality: Papua New Guinea

Distribution: Papua New Guinea

Host: *Eurystomus orientalis* (Passeriformes: Coraciidae)

Peristerophila falcophila Skoracki, Hromada, Kaszewska, Kavetska et Unsoeld

Peristerophila falcophila Skoracki, Hromada, Kaszewska, Kavetska & Unsoeld, 2018: 744

Type locality: Germany

Distribution: Germany, Kenya, Nepal, Romania, Colombia

Hosts: *Falco cherrug*, *F. peregrinus*, *F. sparverius* (Falconiformes: Falconidae)

Peristerophila forpi Bochkov et Perez

Castosyringophilus forpi Bochkov & Perez, 2002: 152; Skoracki, 2005: 128

Peristerophila forpi (Bochkov et Perez): Skoracki et al., 2020: 1803

Type locality: Ruiz, Nayarit

Distribution: Mexico

Host: *Forpus cyanopygius* (Psittaciformes: Psittacidae)

Peristerophila geopelis Kaszewska, Skoracki, Kosicki et Hromada

Peristerophila geopelis Kaszewska, Skoracki, Kosicki & Hromada, 2020: 353

Type locality: Java, Trinil

Distribution: Indonesia (Java, Sumatra, Sulawesi), Australia

Hosts: *Geopelia cuneata*, *G. placida*, *G. striata*, *Ocyphaps lophotes* (Columbiformes: Columbidae)

Peristerophila lature Kaszewska, Kavetska et Skoracki

Peristerophila lature Kaszewska, Kavetska & Skoracki, 2014: 296; Kaszewska et al., 2020: 358

Type locality: Sulawesi (Indonesia)

Distribution: Indonesia (Sulawesi, Java, Sumatra), Mariana Is., Papua New Guinea

Hosts: *Ducula luctuosa*, *D. spilorrhhoa*, *Ptilinopus jambu*, *P. melanospilus*, *P. porphyreus*, *P. regina* (Columbiformes: Columbidae: Treroninae)

Peristerophila leucomela Kaszewska, Skoracki, Kosicki et Hromada*Peristerophila leucomela* Kaszewska, Skoracki, Kosicki & Hromada, 2020: 355

Type locality: Australia

Distribution: Australia

Host: *Columba leucomela* (Columbiformes: Columbidae)***Peristerophila meropis*** (Skoracki, Hromada et Sikora)*Castosyringophilus meropis* Skoracki, Hromada & Sikora, 2017: 24*Peristerophila meropis* (Skoracki, Hromada et Sikora): Skoracki, Hromada, Kaszewska & Sikora, 2020: 1803

Type locality: Sevilla (Spain)

Distribution: Bosnia & Herzegovina, France (Corsica), Gibraltar, Greece, Italy (Sardinia), Kenya, N. Macedonia, Morocco, Pakistan, Romania (N. Dobroudja), Russia, Tanzania, Turkey

Hosts: *Merops apiaster* (Coraciiformes: Meropidae), *Todiramphus chloris* (Cor.: Alcedinidae)***Peristerophila mucuya*** Casto*Peristerophila mucuya* Casto, 1980: 1; Skoracki, Hromada, Kaszewska & Sikora, 2020: 1803; Kaszewska et al., 2020: 359*Castosyringophilus mucuya* (Casto): Bochkov & Perez, 2002: 6; Skoracki, 2005b: 128; Skoracki & Glowska, 2008b: 158

Type locality: Texas, La Sella

Distribution: Argentina, Australia, Brazil, Colombia, Indonesia (Sumbava Is.), Jordan, Monaco, Paraguay, Peru, Suriname, Trinidad & Tobago, USA (Texas)

Hosts: *Bolborhynchus aymara*, *Brotogeris versicolurus* (Psittaciformes: Psittacidae), *Trichoglossus haematodus* (Psittaciformes: Psittaculidae), *Columbina minuta*, *C. passerina*, *C. squammata*, *C. talpacoti*, *Geophaps plumifera*, *Metropelia ceciliae*, *M. melanoptera*, *Scardafella squamata*, *Streptopelia decaocto*, *Petrophassa plumifera* (Columbiformes: Columbidae)***Peristerophila nestoriae*** Marciniak, Skoracki et Hromada*Peristerophila nestoriae* Marciniak, Skoracki & Hromada, 2019: 2

Type locality: New Zealand

Distribution: New Zealand

Host: *Nestor meridionalis* (Psittaciformes: Strigopidae)***Peristerophila upupi*** Klimovičova, Mikula, Kahure et Hromada*Peristerophila upupi* Klimovičova, Mikula, Kahure & Hromada, 2014: 575

Type locality: Nyahururu

Distribution: Kenya

Host: *Upupa epops* (Upupiformes: Upupidae)

Genus ***Phalarophilus*** Skoracki, Bochkov et OConnor

Phalarophilus Skoracki, Bochkov & OConnor, 2011: 325

Type species: *Phalarophilus fulcarius* Skoracki, Bochkov et OConnor, 2011

Phalarophilus fulcarius Skoracki, Bochkov et OConnor

Phalarophilus fulcarius Skoracki, Bochkov & OConnor, 2011: 328

Type locality: San Diego Co., San Diego

Distribution: USA

Host: *Phalaropus fulcarius* (Charadriiformes: Scolopacidae)

Genus ***Philoxanthornia*** Kethley

Philoxanthornia Kethley, 1970: 50

Philoxanthornea (Zool. Record, misspelling)

Type species: *Philoxanthornia anoa* Kethley, 1970

Philoxanthornia anoa Kethley

Philoxanthornia anoa Kethley, 1970: 53; Skoracki, 2011: 282

Type locality: Sand Island

Distribution: Midway Atoll (USA)

Host: *Anous tenuirostris* (Charadriiformes: Laridae, Sterninae)

Philoxanthornia clarki Kivganov

Philoxanthornea clarki Kivganov, in Kivganov & Sharafat, 1995: 87; Skoracki, 2011: 282

Type locality: Odessa Prov., Tiligulski liman

Distribution: Russia, Ukraine

Hosts: *Sterna hirundo*, *Sternula albifrons* (Charadriiformes: Laridae, Sterninae), *Larus canus* (Charadriiformes: Laridae)

Philoxanthornia dubinini Bochkov et Mironov

Philoxanthornea dubinini Bochkov & Mironov, 1999: 14; Skoracki, 2011: 285

Type locality: Sorbulak Lake, near Alma-Ata

Distribution: Egypt, Kazakhstan

Hosts: *Chlidonias leucopterus*, *Gelochelidon nilotica* (Charadriiformes: Laridae)

Genus ***Picineoaulonastus*** Skoracký, Klimovičová, Mucha et Hromada

Picineoaulonastus Skoracký, Klimovičová, Mucha & Hromada, 2014: 180

Type species: *Picineoaulonastus pogoniulus* Skoracký, Klimovičová, Mucha et Hromada, 2014

Picineoaulonastus pogoniulus Skoracky, Klimovičová, Muchai et Hromada
Picineoaulonastus pogoniulus Skoracky, Klimovičová, Muchai & Hromada, 2014: 180
 Type locality: Kenya
 Distribution: Ethiopia, Kenya, Tanzania
 Hosts: *Pogoniulus bilineatus*, *P. pusillus* (Piciformes: Lybiidae)

Genus ***Picisyringophilus*** Skoracky et OConnor
Picisyringophilus Skoracky & OConnor, 2010: 12
 Type species: *Picisyringophilus kratos* Skoracky et OConnor, 2010

Picisyringophilus kratos Skoracky et OConnor
Picisyringophilus kratos Skoracky & OConnor, 2010: 15
 Type locality: Michigan, Washtenaw Co., 2mi NW Dexter
 Distribution: USA (Michigan)
 Host: *Picoides pubescens* (Piciformes: Picidae)

Genus ***Procellariisyringophilus*** Schmid et Skoracki
Syringonomus Kethley, 1970: 56 (praeoccup.)
Procellariisyringophilus Schmid & Skoracki, 2007: 545
 Type species: *Syringonomus bulwerius* Kethley, 1970

Procellariisyringophilus bulwerius (Kethley)
Syringonomus bulwerius Kethley, 1970: 59
Procellariisyringophilus bulwerius (Kethley): Schmid & Skoracki, 2007: 545
 Type locality: Nihoa Island, Hawaiian Is.
 Distribution: Greece, Indonesia, USA (Hawaiian Is.)
 Hosts: *Ardenna pacifica*, *Bulwerius bulwerius*, *Calonectris diomedea* (Procellariiformes: Procellariidae)

Genus ***Psittaciphilus*** Fain, Bochkov et Mironov
Psittaciphilus Fain, Bochkov & Mironov, 2000: 44
 Type species: *Psittaciphilus amazonae* Fain, Bochkov et Mironov, 2000

Psittaciphilus amazonae Fain, Bochkov et Mironov
Psittaciphilus amazonae Fain, Bochkov & Mironov, 2000: 47; Bochkov & Fain, 2003; Skoracki, 2005b: 128
 Type locality: Colombia
 Distribution: Brazil, Colombia
 Hosts: *Amazona aestiva*, *A. amazonica* (Psittaciformes: Psittacidae)

Psittaciphilus fritschi Fain, Bochkov et Mironov*Psittaciphilus fritschi* Fain, Bochkov & Mironov, 2000: 47; Skoracki, 2005b: 128

Type locality: Zoo of Antwerp

Distribution: ?

Host: parrot (Psittaciformes)

Psittaciphilus montanus Kaszewska et Skoracki*Psittaciphilus montanus* Kaszewska & Skoracki, 2018: 1

Type locality: Trinidad I., Aripo Mt.

Distribution: Brazil, Panama, Trinidad & Tobago

Host: *Geotrygon montanus* (Columbiiformes: Columbidae)***Psittaciphilus patagioenas*** Kaszewska et Skoracki*Psittaciphilus patagioenas* Kaszewska & Skoracki, 2018: 3

Type locality: Near San Juan River, Chocó Department Lama Hermosa

Distribution: Colombia

Hosts: *Patagioenas fasciata*, *P. speciosa* (Columbiiformes: Columbidae)Genus ***Pteroclidisyringophilus*** Skoracki*Pteroclidisyringophilus* Skoracki, 2011: 31Type species: *Charadriiphilus re* Skoracki et OConnor, 2010***Pteroclidisyringophilus otididus*** Skoracki, Unsoeld et Skorupski*Pteroclidisyringophilus otididus* Skoracki, Unsoeld & Skorupski, 2014: 349

Type locality: South Tunisia

Distribution: Tunisia

Host: *Chalamydotis undulata* (Otidiformes: Otididae)***Pteroclidisyringophilus re*** (Skoracki et OConnor)*Charadriiphilus re* Skoracki & OConnor, 2010: 18*Pteroclidisyringophilus re* (Skoracki et OConnor): Skoracki, 2011: 264

Type locality: Red Sea Governate, Wadi el Metuli

Distribution: Egypt

Host: *Pterocles senegallus* (Pterocliiformes: Pteroclididae)Genus ***Selenonycha*** Kethley*Selenonycha* Kethley, 1970: 31Type species: *Selenonycha baltoda* Kethley, 1970***Selenonycha baltoda*** Kethley*Selenonycha baltoda* Kethley, 1970: 34; Bochkov & Mironov, 1998: 11

Type locality: Cameron Parish, Louisiana

Distribution: USA

Hosts: *Charadrius placidus*, *Ch. w. wilsonia*, *Chlidonius niger* (Charadriiformes: Charadriidae)

***Selenonycha charadriiformicus* Skoracki**

Selenonycha charadriiformicus Skoracki, 2011: 276

Type locality: Lake Manzala area (Egypt)

Distribution: Egypt, Germany, Poland, Russia

Hosts: *Chroicocephalus genei*, *Ch. ridibundus* (Charadriiformes: Laridae), *Charadrius placidus* (Charadriiformes: Charadriidae), *Philomachus pugnax* (Charadriiformes: Scolopacidae)

***Selenonycha insperata* Zmudzinski et Skoracki**

Selenonycha insperata Zmudzinski & Skoracki, 2017: 594

Type locality: Misiones Prov., Laguna San Jose de Posadas

Distribution: Argentina

Host: *Phimosus infuscatus* (Pelecaniformes: Threskiornithidae)

Genus *Stibarokris* Kethley

Stibarokris Kethley, 1970: 62

Type species: *Stibarokris phalacrus* Kethley, 1970

Ciconichenophilus Skoracki & OConnor, 2010: 12

Type species: *Ciconichenophilus phoeniconaias* Skoracki et OConnor, 2010

***Stibarokris annae* Glowska**

Stibarokris annae Glowska, 2015a: 74

Type locality: Uruguay

Distribution: Uruguay

Host: *Ciconia maguari* (Ciconiiformes: Ciconiidae)

***Stibarokris brevisetosus* Skoracki et Zmudzinski**

Stibarokris brevisetosus Skoracki & Zmudzinski [in Skoracki et al., 2016], 2016: 1319

Type locality: Turkey, Ekmekci

Distribution: Turkey

Host: *Plegadis falcinellus* (Pelecaniformes: Threskiornithidae)

***Stibarokris dastychi* Glowska et Skoracki**

Stibarokris dastychi Glowska & Skoracki, 2011: 64

Type locality: Germany

Distribution: Germany

Host: *Phalacrocorax carbo* (Suliformes: Phalacrocoracidae)

Stibarokris geronticus Skoracki et Zmudzinski

Stibarokris geronticus Skoracki & Zmudzinski [in Skoracki et al., 2016], 2016: 1313

Type locality: South Africa

Distribution: South Africa

Host: *Geronticus calurus* (Pelecaniformes: Threskiornithidae)

Stibarokris hydrobates Zmudzinski, Solarczyk et Skoradski

Stibarokris hydrobates Zmudzinski, Solarczyk & Skoradski, 2016: 432

Type locality: Malta, Filfla

Distribution: Malta

Host: *Hydrobates pelagicus* (Procellariiformes: Hydrobatidae)

Stibarokris langei Bochkov et Mironov

Stibarokris langei Bochkov & Mironov, 1999: 35; Glowska & Skoracki, 2011: 68

Type locality: Novgorod Prov., Chudovo Distr., Oskuy Vill.

Distribution: Russia

Host: *Ciconia alba* (Ciconiiformes: Ciconiidae)

Stibarokris mariasi Glowska

Stibarokris mariasi Glowska, 2015b: 616

Type locality: Johnston Atoll

Distribution: Johnston Atoll

Host: *Puffinus pacificus* (Procellariiformes: Procellariidae)

Stibarokris phalacrus Kethley

Stibarokris phalacrus Kethley, 1970: 62; Glowska & Skoracki, 2011: 67

Type locality: Pigeon Key, Monroe Co., Florida

Distribution: USA (Florida)

Host: *Phalacrocorax auritus* (Suliformes: Phalacrocoracidae)

Stibarokris phoeniconaias (Skoracki et OConnor)

Ciconichenophilus phoeniconaias Skoracki & OConnor, 2010: 13

Stibarokris phoeniconaias Skoracki & OConnor, 2010: 25; Glowska & Skoracki, 2011: 66; Zmudzinski, Solarczyk & Skoradski, 2016: 434; Skoracki, Zmudzinski, Unsoeld & Sikora, 2016: 9

Type locality: Botswana

Distribution: Botswana, Turkey, South America

Hosts: *Phoeniconaias minor*, *Phoenicopterus ruber*, *Ph. chilensis* (Phoenicopteriformes: Phoenicopteridae)

Stibarokris plataleus Skoracki et Zmudzinski*Stibarokris plataleus* Skoracki & Zmudzinski, [in Skoracki et al., 2016]. 2016: 1316

Type locality: Neusiedl See

Distribution: Austria

Host: *Platalea leucorodia* (Pelecaniformes: Threskiornithidae)***Stibarokris theristicus*** Skoracki, Zmudzinski et Unsoeld*Stibarokris theristicus* Skoracki, Zmudzinski & Unsoeld [in Skoracki et al., 2016]. 2016: 1313

Type locality: Marajo Island, Pacoval

Distribution: Brazil

Host: *Theristicus caudatus* (Pelecaniformes: Threskiornithidae)**Genus *Syringophiloidus*** Kethley*Syringophiloidus* Kethley, 1970: 48Type species: *Syringophilus minor* Berlese, 1887***Syringophiloidus agelaius*** Bochkov, Skoracki, Hendricks et Spicer*Syringophiloidus agelaius* Bochkov, Skoracki, Hendricks & Spicer, 2011: 209

Type locality: Cibola National Wildlife Refuge (Arizona)

Distribution: USA (Arizona)

Host: *Agelaius phoeniceus* (Passeriformes: Icteridae)***Syringophiloidus amazilia*** Skoracki*Syringophiloidus amazilia* Skoracki, 2017: 181

Type locality: Veracruz, Los Tuxlas

Distribution: Mexico

Host: *Amazilia candida* (Passeriformes: Trochilidae)***Syringophiloidus apus*** Skoracki, Kaszewska et Kavetska*Syringophiloidus apus* Skoracki, Kaszewska & Kavetska, 2015: 584

Type locality: Chile

Distribution: Chile

Host: *Apus melba* (Apodiformes: Apodidae)***Syringophiloidus artamus*** Skoracki*Syringophiloidus artamus* Skoracki, 2004: 288; 2011: 36

Type locality: Sumatra

Distribution: Indonesia (Sumatra)

Hosts: *Artamus fuscus*, *A. leucorhynchus* (Passeriformes: Artamidae)

Syringophiloidus auduboni Skoracki, Spicer et OConnor*Syringophiloidus auduboni* Skoracki, Spicer & OConnor, 2016: 462

Type locality: California, Riverside Co.

Distribution: USA

Host: *Spizella breweri* (Passeriformes: Passerellidae)***Syringophiloidus bombycillae*** Skoracki*Syringophiloidus bombycillae* Skoracki, 2002: 305; 2004: 296; 2011: 36; Skoracki, Spicer & OConnor, 2016: 468

Type locality: Bardejov (Slovakia)

Distribution: Poland, Slovakia, USA

Hosts: *Bombycilla cedrorum*, *B. garrulus* (Passeriformes: Bombycillidae)***Syringophiloidus bucerotidus*** Skoracki*Syringophiloidus bucerotidus* Skoracki, 2017: 39

Type locality: D.R.Congo

Distribution: Cameroon, D.R. Congo, Tanzania

Hosts: *Horizocerus hartlaubi*, *H. albocristatus*, *Lophoceros pallidirostris*, *Tockus flavirostris*, *T. fasciatus*, *T. deckeni* (Bucerotiformes: Bucerotidae)***Syringophiloidus carolae*** Skoracki, Flannery et Spicer*Syringophiloidus carolae* Skoracki et al., 2009: 66; Skoracki, 2011; Skoracki, Spicer & OConnor, 2016: 464

Type locality: Texas, Hood Co., Jones Ranch

Distribution: USA (Texas)

Hosts: *Cardinalis cardinalis*, *Passerina caerulea* (Passeriformes: Cardinalidae), *Melanerpes formicivorus* (Piciformes: Picidae)***Syringophiloidus carpodaci*** Bochkov et Apanaskevich*Syringophiloidus carpodaci* Bochkov & Apanaskevich, 2001: 323; Skoracki, 2011: 50

Type locality: Southwestern Altai, Zyryanovskii Distr., Shumovsk Village (Kazakhstan)

Distribution: Kazakhstan, Poland, Russia

Host: *Carpodacus erythrinus* (Passeriformes: Fringillidae)***Syringophiloidus cincli*** Skoracki*Syringophiloidus cincli* Skoracki, 2017: 184

Type locality: Puebla, Scapa, 3 Mi NE Huauchinango

Distribution: Mexico

Host: *Cinclus mexicanus* (Passeriformes: Cinclidae)

Syringophiloidus coccothraustes* SkorackiSyringophiloidus coccothraustes* Skoracki, 2011: 82

Type locality: Wielkopolskie, Katy near Poznan

Distribution: Germany, Poland

Host: *Coccothraustes coccothraustes* (Passeriformes: Fringillidae)***Syringophiloidus cypsiuri* Fain, Bochkov et Mironov***Syringophiloidus cypsiuri* Fain, Bochkov & Mironov, 2000: 51; Skoracki, 2011: 36

Type locality: Kasai Prov., DR Congo

Distribution: DR Congo

Host: *Cypsiurus parvus* (Apodiformes: Apodidae)***Syringophiloidus daberti* Bochkov, Fain et Skoracki***Syringophiloidus daberti* Bochkov, Fain & Skoracki, 2004: 144; Bochkov, Skoracki, Hendricks & Spicer, 2011: 210; Skoracki et al., 2011; Skoracki, Spicer & OConnor, 2016: 465

Type locality: Mexico (Anwerp Zoo)

Distribution: Mexico, USA (Texas)

Host: *Passerina ciris* (Passeriformes: Cardinalidae)***Syringophiloidus delichonum* Bochkov***Syringophiloidus delichonum* Bochkov, 2001: 151; Skoracki, 2004: 297; 2011: 69; Skoracki, Spicer & OConnor, 2016: 465

Type locality: Kaliningradskaya Oblast, Kurshskaya Kosa, Ribachiy Vill. (Russia)

Distribution: Poland, Russia, USA

Hosts: *Delichon urbicum*, *Hirundo rustica* (Passeriformes: Hirundinidae)***Syringophiloidus dendrocittae* Fain, Bochkov et Mironov***Syringophiloidus dendrocitta* Fain, Bochkov & Mironov, 2000: 55; Skoracki, 2011: 36

Type locality: East Asia (Zoo of Antwerp)

Distribution: East Asia

Hosts: *Dendrocitta vagabunda* (= *rufa rufa*) (Passeriformes: Corvidae, *Sturnus vulgaris* (Passeriformes: Sturnidae), [*Cyanocitta stelleri* (Passeriformes: Corvidae)]***Syringophiloidus erythrurus* Skoracki***Syringophiloidus erythrurus* Skoracki, 2004: 293

Type locality: Tenerife

Distribution: Spain (Tenerife)

Hosts: *Erythrura trichroa*, *Lonchura* sp. (Passeriformes: Estrildidae)***Syringophiloidus estrildus* Skoracki, Hromada, Prevuznakova et Wamiti***Syringophiloidus estrildus* Skoracki, Hromada, Prevuznakova & Wamiti, 2019: 1802

Type locality: Masindi

Distribution: Uganda

Host: *Estrilda rhodopyga* (Passeriformes: Estrildidae)

Syringophiloidus furthi Glowska et Schmidt

Syringophiloidus Skoracki & Schmidt, 2014: 61

Type locality: Ogooue Maritime Prov., Moukalaba-Doudou National Park, NW corner of N'dogo Lagoon

Distribution: Gabon

Host: *Terpsiphone rufiventer* (Passeriformes: Monarchidae)

Syringophiloidus glandarii (Fritsch)

Syringophilus minor glandarii Fritsch, 1958: 235

Syringophiloidus glandarii (Fritsch): Bochkov & Mironov, 1998: 14; Skoracki, 2011: 57; Skoracki, Spicer & OConnor, 2016: 465

Type locality: Germany

Distribution: Germany, Japan, Kazakhstan, Russia, USA

Hosts: *Corvus brachyrhynchos*, *C. frugilegus*, *C. monedula*, *Cyanocitta stelleri*, *Garrulus glandarius*, *Pica pica* (Passeriformes: Corvidae). For other hosts see the notes in Glowska, Chrzanowski & Kaszewska, 2015: 32.

Syringophiloidus graculae Fain, Bochkov et Mironov

Syringophiloidus graculae Fain, Bochkov & Mironov, 2000: 51

Type locality: SE Asia

Distribution: SE Asia

Host: *Gracula religiosa* (Passeriformes: Sturnidae)

Syringophiloidus hirundinis Skoracki, Moller et Tryjanowski

Syringophiloidus hirundinis Skoracki, Skoracki, Moller & Tryjanowski, 2003: 17; Pidhorna, 2020: 216

Type locality: Milano (Italy)

Distribution: Denmark, Italy, Poland, Spain, Ukraine

Host: *Hirundo rustica* (Passeriformes: Hirundinidae)

Syringophiloidus jackowiaki Bochkov, Skoracki, Hendricks et Spicer

Syringophiloidus jackowiaki Bochkov, Skoracki, Hendricks & Spicer, 2011: 208

Type locality: Texas, Trinity Co., Davy Crocket Nat. Forest

Distribution: USA (Texas)

Host: *Poecile carolinensis* (Passeriformes: Paridae)

Syringophiloidus klimovi Skoracki et Bochkov

Syringophiloidus klimovi Skoracki & Bochkov, 2010: 61

Type locality: Ongtustik, Qazaqstan

Distribution: Germany, Kazakhstan

Host: *Chloris chloris* (Passeriformes: Fringillidae)

***Syringophiloidus microcerculus* Sikora et Skoracki**

Syringophiloidus microcerculus Sikora & Skoracki, 2012: 58

Type locality: Para, Peixe-Boi

Distribution: Brazil

Host: *Microcerculus marginatus* (Passeriformes: Troglodytidae)

***Syringophiloidus minor* (Berlese)**

Syringophilus bipectinatus minor Berlese, 1887: 10

Syringophilus minor minor (Berlese): Fritsch, 1958: 235

Syringophiloidus minor (Berlese): Kethley, 1970; Bochkov & Mironov, 1998; Bochkov & Galloway, 2001; Skoracki & Dabert, 2002; Glowska et al., 2007; Skoracki, 2011: 39; Skoracki, Spicer & OConnor, 2016: 467

Type locality: Europe

Distribution: Bosnia and Herzegovina, Canada, China, Congo, Croatia, England, Germany, Jordan, Kirghizia, Poland, Russia, Slovakia, USA

Hosts: *Passer domesticus*, *P. hispaniolensis*, *P. montanus* (Passeriformes: Passeridae), *Serinus capistratus* (Passeriformes: Fringillidae)

***Syringophiloidus molothrus* Skoracki, Flannery et Spicer**

Syringophiloidus molothrus Skoracki, Flannery & Spicer, 2009: 66; Skoracki, Spicer & OConnor, 2016: 466

Type locality: Texas, Hood Co.

Distribution: USA (Texas, Michigan)

Host: *Icterus galbula*, *Molothrus ater* (Passeriformes: Icteridae)

***Syringophiloidus montanus* Skoracki**

Syringophiloidus montanus Skoracki, 2002: 310

Type locality: Bardejov

Distribution: Slovakia

Host: *Passer montanus* (Passeriformes: Passeriformes)

***Syringophiloidus nectarinae* Skoracki et Zmudzinski**

Syringophiloidus nectarinae Skoracki & Zmudzinski, 2018: 1

Type locality: Tanzania

Distribution: Tanzania

Host: *Hedydipna collaris* (Passeriformes: Nectariniidae)

***Syringophiloidus nkaii* Klimovičova, Skoracki, Njoroge et Hromada**

Syringophiloidus nkaii Klimovičova, Skoracki, Njoroge & Hromada, 2016: 188

Type locality: Kenya, Archers Post (altitude 1,200 m.a.s.l.).

Distribution: Kenya

Host: *Nilaus afer* (Passeriformes: Malaconotidae)

***Syringophiloidus oriolus* Skoracki**

Syringophiloidus oriolus Skoracki, 2004: 283

Type locality: Western Europe

Distribution: China, Western Europe

Hosts: *Oriolus chinensis*, *O. oriolus* (Passeriformes: Oriolidae)

***Syringophiloidus parapresentalis* Skoracki**

Syringophiloidus parapresentalis Skoracki, 2011: 63; Skoracki, Spicer & OConnor, 2016: 466; Skoracki, Mironov, Hernandez et Valim, 2016: 5

Type locality: Wielkopolskie, Jezioro, near Poznan

Distribution: Brazil, Germany, Jordan, Kazakhstan, Poland, Russia, Slovakia, USA (California)

Hosts: *Turdus atrogularis*, *T. iliacus*, *T. merula*, *T. migratorius*, *T. pilaris*, *T. rufiventris* (Passeriformes: Turdidae)

***Syringophiloidus petronicus* Skoracki**

Syringophiloidus petronicus Skoracki, 2011: 45

Type locality: Italy

Distribution: Italy

Host: *Petronia petronia* (Passeriformes: Passeridae)

***Syringophiloidus philomelosus* Skoracki**

Syringophiloidus philomelosus Skoracki, 2011: 43

Type locality: Al-Dhleil near Amman

Distribution: Jordan

Host: *Turdus philomelos* (Passeriformes: Turdidae)

***Syringophiloidus picidus* Skoracki, Klimičova, Muchai et Hromada**

Syringophiloidus picidus Skoracki, Klimičova, Muchai & Hromada, 2014: 184

Type locality: Mutanda (Kenya)

Distribution: Germany, Kenya, Tanzania, Uganda

Host: *Dendropicus fuscescens* (Piciformes: Picidae)

***Syringophiloidus plocei* Glowska, Broda et Dabert**

Syringophiloidus plocei Glowska, Broda & Dabert, 2016: 563

Type locality: Ogooue Maritime Province, Gamba Complex of Protected Areas, near mouth of Nyanga River

Distribution: Gabon

Hosts: *Ploceus aurantius*, *P. cucullatus*, *P. nigerrimus* (Passeriformes: Ploceidae)

Syringophiloidus presentalis Chirov et Kravtsova

Syringophiloidus presentalis Chirov & Kravtsova, 1995: 376; Skoracki, 2011: 60; Skoracki, Spicer & OConnor, 2016: 466

Type locality: Bishkek (Kirghizia)

Distribution: France, Kirghizia, Poland, Slovakia, USA

Host: *Sturnus vulgaris* (Passeriformes: Sturnidae)

Syringophiloidus pseudonigritae Glowska, Dragun-Damian et Dabert

Syringophiloidus pseudonigritae Glowska, Dragun-Damian & Dabert, 2012b: 65

Type locality: Tanzania

Distribution: Tanzania

Host: *Pseudonigrita arnaudi* (Passeriformes: Ploceidae)

Syringophiloidus quetzali Skoracki, Mironov et Unsoeld

Syringophiloidus quetzali Skoracki, Mironov & Unsoeld, 2013: 292

Type locality: Guatemala

Distribution: Ecuador, Guatemala

Hosts: *Pharomachrus antisianus*, *Ph. mocinno* (Trogoniformes: Trogonidae)

Syringophiloidus serini Bochkov, Fain et Skoracki

Syringophiloidus serini Bochkov, Fain & Skoracki, 2004: 144; Skoracki, 2011: 38

Type locality: Central Africa (Antwerp Zoo)

Distribution: Central Africa

Host: *Serinus mozambicus* (Passeriformes: Fringillidae)

Syringophiloidus sialius Skoracki, Flannery et Spicer

Syringophiloidus sialius Skoracki, Flannery & Spicer, 2009: 67; Bochkov, Skoracki, Hendricks & Spicer, 2011: 211; Skoracki, 2011: 38

Type locality: Mendocino Co., Hopland

Distribution: USA (California)

Hosts: *Sialia mexicana* (Passeriformes: Turdidae), *Spizella breweri* (Passeriformes: Passerellidae)

Syringophiloidus sporophila Skoracki

Syringophiloidus sporophila Skoracki, 2017: 185

Type locality: Veracruz, Los Tuxlas

Distribution: Mexico

Host: *Sporophila torqueola* (Passeriformes: Thraupidae)

***Syringophiloidus stawarczyki* Skoracki**

Syringophiloidus stawarczyki Skoracki, 2004: 291; 2011: 38; Skoracki, Mironov, Hernands & Valim, 2016: 5

Type locality: Brazil

Distribution: Brazil

Hosts: *Euphonia cyanocephala* (Passeriformes: Emberizidae), *Dacnis cayana*, *Tachyphonus rufus* (Pass., Thraupidae)

***Syringophiloidus tarnii* Skoracki et Sikora**

Syringophiloidus tarnii Skoracki & Sikora, 2002: 2 (and *tarni*, p.1); Skoracki, 2011: 38

Type locality: El Bolson, Rio Negro (Argentina)

Distribution: Argentina

Host: *Pteroptochos tarnii* (Passeriformes: Rhinocryptidae)

***Syringophiloidus teledromas* Sikora, Kaszewska et Skoracki**

Syringophiloidus teledromas Sikora, Kaszewska & Skoracki, 2014: 420

Type locality: Argentina – Rio Negro, Cipolletti, Neuquén

Distribution: Argentina

Host: *Teledromas fuscus* (Passeriformes: Rhinocryptidae)

***Syringophiloidus thryothorus* Skoracki, Flannery et Spicer**

Syringophiloidus thryothorus Skoracki, Flannery & Spicer, 2009: 69; Skoracki, 2011:

Type locality: Texas, Hood Co., Jones Ranch

Distribution: USA (Texas)

Host: *Thryothorus ludovicianus* (Passeriformes: Troglodytidae)

***Syringophiloidus weiszii* Skoracki, Hromada et Tryjanowski**

Syringophiloidus weiszii Skoracki, Hromada & Tryjanowski, 2001: 30; Skoracki, 2011: 79

Type locality: Bardejov

Distribution: Germany, Slovakia, USA

Hosts: *Lanius excubitor*, *L. ludovicianus* (Passeriformes: Laniidae)

***Syringophiloidus xanthocephalus* Bochkov, Skoracki, Hendricks et Spicer**

Syringophiloidus xanthocephalus Bochkov, Skoracki, Hendricks & Spicer, 2011: 208

Type locality: Cibola National Wildlife Refuge (Arizona)

Distribution: USA (Arizona)

Host: *Xanthocephalus xanthocephalus* (Passeriformes: Icteridae)

***Syringophiloidus zonotrichia* Bochkov, Skoracki, Hendricks et Spicer**

Syringophiloidus motacillae of Bochkov & Galloway (2001: 2025) and Skoracki et al. (2009: 72) (incorrect determinations)

Syringophiloidus zonotrichia Bochkov, Skoracki, Hendricks & Spicer, 2011: 203

Type locality: Garen Ranch, Johnson Co. Texas,

Distribution: Canada, USA (Texas)

Host: *Zonotrichia albicollis* (Passeriformes: Emberizidae)

***Syringophiloidus* sp.**

Host: *Campylorhynchus brunneicapillum* (Passeriformes: Troglodytidae)

Genus ***Syringophilopsis*** Kethley

Syringophilopsis Kethley, 1970: 18

Type species: *Syringophilus elongatus* Ewing, 1911

***Syringophilopsis acrocephali* Skoracki**

Syringophilopsis acrocephali Skoracki, 1999a: 160; 2011: 179; Klimovičová & Hromada, 2014: 34; Pidhorna, 2020: 216

Type locality: Mierzeja Wiślana (Poland)

Distribution: Egypt, Poland, Russia, Slovakia, Ukraine

Hosts: *Acrocephalus palustris*, *A. schoenobaenus*, *A. scirpaceus* (Passeriformes: Acrocephalidae)

***Syringophilopsis albicollisi* Skoracki et Dabert**

Syringophilopsis albicollisi Skoracki & Dabert, 2000: 59; Skoracki, 2011: 155

Type locality: Odjolo

Distribution: Togo

Host: *Merops albicollis* (Coraciiformes: Meropidae)

***Syringophilopsis bartrami* Skoracki, Spicer et OConnor**

Syringophilopsis bartrami Skoracki, Spicer & OConnor, 2016: 477

Type locality: Michigan, Wayne Co., Plymouth

Distribution: USA (Michigan)

Host: *Spizella passerina* (Passeriformes: Passerellidae)

***Syringophilopsis blaszaki* Skoracki et Dabert**

Syringophilopsis blaszaki Skoracki & Dabert, 1999: 89; Skoracki, 2011: 195; Klimovičová & Hromada, 2014: 34; Pidhorna, 2020: 216

Type locality: 6 km NW from Darlowko Wschodnie (Poland)

Distribution: Poland, Russia, Slovakia, Ukraine

Hosts: *Anthus pratensis*, *P. trivialis* (Passeriformes: Motacillidae)

***Syringophilopsis bochkovi* Skoracki, Mironov et Bermúdez**

Syringophilopsis bochkovi Skoracki, Mironov & Bermúdez, 2019: 231

Type locality: Panama, Darien Prov., Parque Nacional Darien, Rancho Frio

Distribution: Panama

Hosts: *Corapipo altera*, *Manacus vitellinus* (Passeriformes: Pipridae)

Syringophilopsis bonariensis Skoracki, Mironov, Hernandez et Valim

Syringophilopsis bonariensis Skoracki et al., 2016: 4

Type locality: Minas Gerais, Nova Lima, Agua Limpa, 20°13'05.07"S 43°57'00.2"W

Distribution: Brazil

Host: *Molothrus bonariensis* (Passeriformes: Icteridae)

Syringophilopsis borini Bochkov et Mironov

Syringophilopsis borini Bochkov & Mironov, 1999: 43; Skoracki, 2004; 2011: 201

Type locality: Novgorod Prov., Chudovo Distr., Oskuy Vill.

Distribution: Poland, Russia, Turkey

Host: *Sylvia borin* (Passeriformes: Sylviidae)

Syringophilopsis catesbyi Skoracki, Spicer et OConnor

Syringophilopsis catesbyi Skoracki, Spicer & OConnor, 2016: 470; Skoracki, 2017: 186

Type locality: Florida, Leon Co.

Distribution: Mexico, USA (Florida)

Hosts: *Vireo hypochryseus*, *V. olivaceus* (Passeriformes: Vireonidae)

Syringophilopsis certhiae Skoracki, Hendricks et Spicer

Syringophilopsis certhiae Skoracki, Hendricks & Spicer, 2011: 6

Type locality: California, Monterey

Distribution: USA

Host: *Certhia americana* (Passeriformes: Certhiidae)

Syringophilopsis corvinae Skoracki et Sykora

Syringophilopsis corvinae Skoracki & Sykora, 2003: 5; Skoracki, 2011: 155

Type locality: Galim

Distribution: Cameroon

Host: *Corvinella corvina* (Passeriformes: Laniidae)

Syringophilopsis davidi Glowska et Laniecka

Syringophilopsis davidi Glowska & Laniecka, 2012: 385

Type locality: Hurghada

Distribution: Egypt

Host: *Calandrella brachydactyla* (Passeriformes: Alaudidae)

Syringophilopsis dendroicae Bochkov et Galloway

Syringophilopsis dendroicae Bochkov & Galloway, 2001: 2023; Skoracki, Flannery & Spicer, 2008: 299; Skoracki, 2011: 155; Skoracki, Spicer & OConnor, 2016: 479

Type locality: Winnipeg, Manitoba, Canada

Distribution: Canada, USA

Hosts: *Protonotaria citrea*, *Setophaga [Dendroica] coronata*, *S. caerulescens*, *S. petechia*, *S. [Dendroica] graciae*, *Cardellina [Wilsonia] pusilla* (Passeriformes: Parulidae)

Syringophilopsis dicruri Skoracki, Hromada et Wamiti

Syringophilopsis dicruri Skoracki, Hromada & Wamiti, 2011: 35

Type locality: Tsavo West National Park, Komboyo Campside

Distribution: Kenya

Host: *Dicrurus adsimilis* (Passeriformes: Dicruridae)

Syringophilopsis elongatus (Ewing)

Syringophilus elongatus Ewing, 1911: 39

Syringophilus icteridae Clark, 1964: 89 – Laurel, Maryland, from *Agelaius phoeniceus*, *Euphagus carolinus* and *Quiscalus quiscula* (syn. by Kethley, 1970)

Syringophilopsis elongatus (Ewing): Kethley, 1970: 21; Bochkov & Galloway, 2001: 2023; Skoracki, Flannery & Spicer, 2008: 299; Skoracki, 2011: 155; Skoracki, Hendricks & Spicer, 2011: 19; Skoracki, Spicer & OConnor, 2016: 473

Type locality: Winnipeg, Manitoba

Distribution: Canada, USA (California, Maryland, Georgia, Nebraska, Arizona)

Hosts: *Agelaius phoeniceus*, *Euphagus carolinus*, *E. cyanocephalus*, *Quiscalus mexicanus*, *Q. quiscula* (Passeriformes: Icteridae)

Syringophilopsis emberizae Fain, Bochkov et Mironov

Syringophilopsis emberizae Fain, Bochkov & Mironov, 2000: 57; Skoracki, 2011: 156

Type locality: Rwanda (Zoo of Antwerp)

Distribution: Rwanda

Host: *Sicalis [Emberiza] luteola* (Passeriformes: Thraupidae)

Syringophilopsis empidonax Skoracki, Flannery & Spicer

Syringophilopsis empidonax Skoracki, Flannery & Spicer, 2008: 294; Skoracki, 2011: 156

Type locality: Texas, Johnson Co., Garen Ranch

Distribution: USA (Texas)

Hosts: *Empidonax hammondi*, *E. wrightii* (Passeriformes: Tyrannidae)

Syringophilopsis faini Bochkov et Apanaskevich

Syringophilopsis faini Bochkov & Apanaskevich, 2001: 321

Type locality: South – western Altai, Zyryanovskii Distr., Shumovsk Village

Distribution: Kazakhstan

Host: *Sylvia curruca* (Passeriformes: Sylviidae)

***Syringophilopsis fringillae* (Fritsch)**

Syringophilus fringillae Fritsch, 1958: 230; Skoracki & Bochkov, 2010: 65; Skoracki, 2011: 185; Klimovičová & Hromada, 2014; Pidhorna, 2020: 217

Syringophilopsis fringilla (Fritsch): Kethley, 1970: 21; Bochkov & Mironov, 1998: 5; Skoracki & Dabert, 1999: 89; 2000: 59; Nattress & Skoracki, 2009; Skoracki, 2004c: 54; Klimovičová & Hromada, 2014: 35

Type locality: Germany

Distribution: England, Germany, Kazakhstan, [Morocco], Poland, Russia, Slovakia, Ukraine

Hosts: [*Carduelis carduelis*], *Fringilla coelebs* (Passeriformes: Fringillidae), [*Passer montanus* (Passeridae), *Hirundo rustica* (Hirundinidae)]. According to Skoracki (2011: 185), *S. fringillae* is monoxenic parasite of *Fringilla coelebs*. The records from other birds concern different other species. Zmudzinski & Unsoeld (2019) have recorded it from *Fringilla montifringilla*.

***Syringophilopsis garrulus* Skoracki et Dabert**

Syringophilopsis garrulus Skoracki & Dabert, 2002: 137; Skoracki, 2011: 163

Type locality: Africa

Distribution: Africa, Algeria, Germany

Host: *Garrulus glandarius* (Passeriformes: Corvidae)

***Syringophilopsis hirundus* Skoracki**

Syringophilopsis hirundus Skoracki, 2004c: 60; Nattress & Skoracki, 2007: 143; Skoracki & Bochkov, 2010: 66; Skoracki, 2011: 193

Type locality: Świnoujście (Poland)

Distribution: England, Kazakhstan, Poland

Host: *Hirundo rustica* (Passeriformes: Hirundinidae)

***Syringophilopsis hunanensis* Liu Bai-li**

Syringophilopsis hunanensis Liu Bai-li, 1988: 277; Skoracki, 2011: 201 (sp. inquirenda)

Type locality: Hunan

Distribution: China (Hunan)

Host: *Passer domesticus* (Passeriformes: Passeridae)

***Syringophilopsis icteri* Bochkov et Galloway**

Syringophilopsis icteri Bochkov & Galloway, 2001: 2019; Skoracki, 2011: 156; 2017: 186; Skoracki, Hendricks & Spicer, 2011: 17; Skoracki, Spicer & OConnor, 2016: 473

Type locality: Winnipeg, Manitoba

Distribution: Canada, Mexico, USA

Hosts: *Icterus bullocki*, *I. galbula*, *I. pustulatus*, *I. spurius* (Passeriformes: Icteridae)

***Syringophilopsis idunae* Skoracki**

Syringophilopsis idunae Skoracki, 2011: 174

Type locality: Europe

Distribution: Europe

Host: *Iduna caligata* (Passeriformes: Acrocephalidae)

***Syringophilopsis kazmierski* Skoracki**

Syringophilopsis kazmierski Skoracki, 2004c: 46; Skoracki, 2011: 166; Klimovičová & Hromada, 2014: 35; Pidhorna, 2020: 217

Type locality: Darłówko Wsch. – Kopán (Poland)

Distribution: Germany, Jordan, Poland, Romania, Slovakia, Ukraine

Hosts: *Ficedula hypoleuca*, *F. parva*, *Phoenicurus phoenicurus* (Passeriformes: Muscicapidae)

***Syringophilopsis kirgizorum* Bochkov, Mironov et Kravtsova**

Syringophilopsis kirgizorum Bochkov, Mironov & Kravtsova, 2000: 354; Skoracki, 2004: 51; Glowska, Skoracki & Khouly, 2007: 67; Nattress & Skoracki, 2007: 143; Skoracki, Antczak, Riegert, Fainová & Mikeš, 2009: 128; Skoracki, 2011: 182

Type locality: Bishkek City (Kyrgyzstan)

Distribution: Cameroon, England, Germany, Jordan, Kyrgyzstan, Poland, Russia

Hosts: *Carduelis canabina*, *C. carduelis*, *Chloris chloris*, *Linurgus olivaceus*, *Rhodospiza obsoleta* (Passeriformes: Fringillidae)

***Syringophilopsis kristini* Skoracki, Tryjanowski et Hromada**

Syringophilopsis kristini Skoracki, Tryjanowski & Hromada, 2002: 11; Skoracki, 2011: 198

Type locality: Kurov

Distribution: Slovakia

Host: *Lanius minor* (Passeriformes: Laniidae)

***Syringophilopsis lagonostictus* Skoracki et Dabert**

Syringophilopsis lagonostictus Skoracki & Dabert, 2002: 138; Skoracki, 2011: 157

Type locality: 6 km S Mango

Distribution: Togo

Hosts: *Lagonosticta rufopicta*, *L. senegala* (Passeriformes: Estrildidae)

***Syringophilopsis melittophagi* Skoracki et Dabert**

Syringophilopsis melittophagi Skoracki & Dabert, 2001b: 108; Skoracki, 2011: 157

Syringophilopsis melittophagii Skoracki & Dabert, 2002: 138

Type locality: 6 km S Mango

Distribution: Togo

Host: *Merops* (= *Melittophagus*) *bullocki* (Coraciiformes: Meropidae)

Syringophilopsis mimidus Sikora, Fajfer et Skoracki

Syringophilopsis mimidus Sikora, Fajfer & Skoracki, 2012: 30; Skoracki, Spicer & OConnor, 2016: 473

Type locality: Central America

Distribution: Central America, USA (Pennsylvania, Florida)

Host: *Dumetella carolinensis*, *Margarops fuscatus* (Passeriformes: Mimidae)

Syringophilopsis muscicapus Skoracki

Syringophilopsis muscicapus Skoracki, 2011: 161

Type locality: Japan

Distribution: Japan

Host: *Muscicapa dauurica* (Passeriformes: Muscicapidae)

Syringophilopsis nitens Skoracki et Dabert

Syringophilopsis nitens Skoracki & Dabert, 2001b: 107; Skoracki & Sikora, 2003: 9; Skoracki et al., 2011

Type locality: Atakpame (Togo)

Distribution: Kenya, Togo

Hosts: *Hyphanturgus nigricollis brachypterus*, *Malimbus nitens*, *Ploceus nigricollis brachypterus*, *P. vitellinus*, *Quelea erythrops* (Passeriformes: Ploceidae)

Syringophilopsis nucifragus Skoracki

Syringophilopsis nucifragus Skoracki, 2011: 188

Type locality: Europe

Distribution: Europe

Host: *Nucifraga caryocatactes* (Passeriformes: Corvidae)

Syringophilopsis pari Skoracki et Mironov

Syringophilopsis pari Skoracki & Mironov, 2013: 557

Type locality: Primorsky Krai

Distribution: Russia (Far East)

Host: *Poecile palustris* (Passeriformes: Paridae)

Syringophilopsis passericus Skoracki

Syringophilopsis passericus Skoracki, 2011: 176

Type locality: Bishkek (Kirghizstan)

Distribution: Kirghizstan

Host: *Passer domesticus* (Passeriformes: Passeridae)

***Syringophilopsis passerinae* (Clark)**

Syringophilus passerinae Clark, 1964: 91; Skoracki, Flannery & Spicer, 2008: 292; Skoracki, 2011: 157; Skoracki, Hendricks & Spicer, 2011: 17; Skoracki, Spicer & OConnor, 2016: 474

Syringophilopsis passerina (Clark): Kethley, 1970: 23; Bochkov & Mironov, 1999: 7

Type locality: Beltsville, Maryland

Distribution: USA (Maryland, Florida, Texas)

Hosts: *Passerina ciris*, *P. cyanea* (Passeriformes: Cardinalidae)

***Syringophilopsis philemonis* Glowska et Laniecka**

Syringophilopsis philemonis Glowska & Laniecka, 2013: 386

Type locality: Australia, Beagle Bay

Distribution: Australia

Host: *Philemon citreogularis* (Passeriformes: Meliphagidae)

***Syringophilopsis polioptilus* Skoracki, Flannery & Spicer**

Syringophilopsis polioptilus Skoracki, Flannery & Spicer, 2008: 292; Skoracki, 2011: 157

Type locality: Texas, Johnson Co., Garen Ranch

Distribution: USA (Texas)

Host: *Polioptila caerulea* (Passeriformes: Polioptilidae)

***Syringophilopsis rusticus* Skoracki**

Syringophilopsis rusticus Skoracki, 2004: 49; Pidhorna, 2020: 218

Type locality: Olszyn (Poland)

Distribution: Poland, Ukraine

Hosts: *Hirundo rustica*, *Riparia riparia* (Passeriformes: Hirundinidae)

***Syringophilopsis sialiae* Skoracki, Flannery et Spicer**

Syringophilopsis sialiae Skoracki, Flannery & Spicer, 2008: 298; Skoracki, 2011: 157

Type locality: Texas, Jeff Davis Co., Fort Davis

Distribution: USA (Texas)

Host: *Sialia mexicana* (Passeriformes: Turdidae)

***Syringophilopsis sittae* Skoracki, Hendricks et Spicer**

Syringophilopsis sittae Skoracki, Hendricks & Spicer, 2011: 9; Skoracki & Mironov, 2013:

Type locality: USA (California), Mendocino Co., UC Hopland

Distribution: Russia, USA

Hosts: *Sitta carolinensis*, *S. europaea* (Passeriformes: Sittidae)

***Syringophilopsis spinolettus* Skoracki**

Syringophilopsis spinolettus Skoracki, 2004c: 57; Skoracki & Bochkov, 2010: 66; Skoracki, 2011: 190

Type locality: Darłówko-Wsch. – Kopań (Poland)

Distribution: Kazakhstan, Poland, Slovakia

Host: *Anthus spinoletta* (Passeriformes: Motacillidae)

***Syringophilopsis sturnellus* Skoracki, Hendricks et Spicer**

Syringophilopsis sturnellus Skoracki, Hendricks & Spicer, 2011: 13

Type locality: Arizona, Mohave Co.

Distribution: USA (Arizona)

Host: *Sturnella neglecta* (Passeriformes: Icteridae)

***Syringophilopsis sturni* Chirov et Kravtsova**

Syringophilopsis sturni Chirov & Kravtsova, 1995: 374; Bochkov & Mironov, 1998: 5; Skoracki, 2004: 51; 2011: 171

Type locality: Telek, Chuy Valley, Kyrgyzstan

Distribution: Kazakhstan, Kyrgyzstan, Poland, Crimea

Host: *Sturnus vulgaris* (Passeriformes: Sturnidae)

***Syringophilopsis szeffleri* Glowska**

Syringophilopsis szeffleri Glowska, 2014: 142

Type locality: Peru, El Caucho Biol. Station

Distribution: Peru

Host: *Lophotriccus pileatus* (Passeriformes: Tyrannidae)

***Syringophilopsis trogoni* Skoracki, Mironov et Unsoeld**

Syringophilopsis trogoni Skoracki, Mironov et Unsoeld, 2013: 295

Type locality: Jalisco, Chamela Biol. Station of UNAM (Mexico)

Distribution: Costa Rica, Mexico

Hosts: *Trogon citreolus*, *T. melanocephalus* (Trogoniformes: Trogonidae)

***Syringophilopsis turdi* (Fritsch)**

Syringophilus turdi Fritsch, 1958: 233

Syringophilopsis turdi (Fritsch): Bochkov & Mironov, 1998: 6; Skoracki, 2011: 158; Skoracki, Spicer & OConnor, 2016: 480

Syringophilopsis turdus: Kethley, 1970: 24; Skoracki & Sikora, 2002: 7; Skoracki, 2004: 51; Skoracki, Flannery & Spicer, 2008: 298; Skoracki & Bochkov, 2010: 65;

Type locality: Germany

Syringophilus hylocichlae Clark, 1964: 87

Syringophilopsis hylocichlae (Clark): Kethley, 1970: 21; Skoracki, 2011: 156 (syn. by Skoracki, Spicer & OConnor, 2016: 480)

Syringophilopsis hylocichla (Clark): Kethley, 1970: 21; Skoracki & Dabert, 2000: 59; Glowska et al., 2015: 37

Type locality: Beltsville, Maryland, USA

Distribution: Argentina, Germany, Kazakhstan, Poland, Russia, Slovakia, USA (California)

Hosts: *Catharus* (= *Hylocichla*) *fuscescens* (sub *S. hylocichlae*), *Turdus albicollis*, *T. atrogularis*, *T. iliacus*, *T. migratorius*, *T. philomelos*, *T. pilaris* (Passeriformes: Turdidae)

Syringophilopsis tyranni Bochkov et Galloway

Syringophilopsis tyranni Bochkov & Galloway, 2004: 35; Skoracki, Flannery & Spicer, 2008: 298; Skoracki, 2011: 161; Sikora, Kaszewska & Skoracki, 2014; Skoracki, Spicer & OConnor, 2016: 474; Skoracki, 2017: 188

Type locality: Winnipeg, Manitoba

Distribution: Brazil, Canada, Mexico, USA (California, Texas, Florida), Peru

Hosts: *Myiarchus cinerascens*, *M. crinitus*, *Myiopagis subplacens*, *Satrapa icterophrys*, *Tyrannus tyrannus*, *T. dominicensis*, *T. forficatus*, *T. verticalis* (Passeriformes: Tyrannidae)

Syringophilopsis veselovsky Skoracki, Antczak et Riegert

Syringophilopsis veselovsky Skoracki, Antczak & Riegert, 2009: 125; Skoracki, 2011: 157

Type locality: Cameroon

Distribution: Cameroon, Kenya

Hosts: *Chlorocichla flaviventris*, *Eurillas latirostris*, *Pycnonotus barbatus* (Passeriformes: Pycnonotidae)

Syringophilopsis wilsoni Skoracki, Spicer et OConnor

Syringophilopsis wilsoni Skoracki, Spicer & OConnor, 2016: 474

Type locality: California, Mono Co.

Distribution: USA (California)

Host: *Pheucticus melanocephalus* (Passeriformes: Cardinalidae)

Syringophilopsis yosefi Skoracki, Tryjanowski et Hromada

Syringophilopsis yosefi Skoracki, Tryjanowski & Hromada, 2002: 14; Skoracki, 2011: 157; Glowska, Chrzanowski & Kaszewska, 2015: 41

Type locality: Yagoua

Distribution: Cameroon

Host: *Lanius* sp. (Passeriformes: Laniidae)

Genus ***Syringophilus*** Heller

Syringophilus Heller, 1880: 186

Type species: *Syringophilus bipectinatus* Heller, 1880

***Syringophilus bipectinatus* Heller**

Syringophilus bipectinatus Heller, 1880: 186; Oudemans, 1906: 47–57; Banks, 1907: 597; Baker & Wharton, 1952: 229 – 231; Lavoipierre, 1953: 7; Dubinin, 1957: 94; Fritsch, 1958: 229 – 230; Clark, 1964: 77; Jones, 1968: 28; Kethley, 1970: 18; Gritsenko, 1973: 515; Bochkov & Mironov, 1998: 5; Skoracki & Sikora, 2003: 9; 2004: 385; Glowska, Chrzanowski & Kaszewska, 2015: 41

Type locality: Germany

Distribution: Australia, Belarus, Cameroon, China, Germany, France (Corsica), Kyrgyzstan, Poland, Russia, South Africa (Zululand), Ukraine, USA (Kansas, Colorado)

Hosts: *Alectoris rufa*, *Gallus gallus domesticus*, (Galliformes: Phasianidae), *Ptilopachus petrosus* (Odontophoridae), [*Corvus brachyrhynchos* (Passeriformes: Corvidae)]

***Syringophilus numidae* Bochkov**

Syringophilus numidae Bochkov, 2000: 103; Skoracki, 2011: 309

Type locality: Transvaal

Distribution: South Africa

Host: *Numida meleagris* (Galliformes: Numididae)

Genus *Terratosyringophilus* Bochkov et Perez

Terratosyringophilus Bochkov & Perez, 2002: 154

Type species: *Peristerophila longisoma* Casto, 1979

***Terratosyringophilus geotrygonus* Skoracki et Glowska**

Terratosyringophilus geotrygonus Skoracki & Glowska, 2008b: 152

Type locality: Cumbre de Valencia

Distribution: Venezuela

Host: *Geotrygon linearis* (Columbiformes: Columbidae)

***Terratosyringophilus longisoma* (Casto)**

Peristerophila longisoma Casto, 1979: 225

Terratosyringophilus longisoma (Casto): Bochkov & Fain, 2003: 154; Glowska, Chrzanowski & Kaszewska, 2015: 42

Type locality: Texas, Presidio Co.

Distribution: USA (Texas)

Hosts: *Zenaida asiatica*, *Z. macroura* (Columbiformes: Columbidae)

***Terratosyringophilus lorcinus* Bochkov et Fain**

Terratosyringophilus lorcinus Bochkov & Fain, 2003: 6

Type locality: Halmahera Is.

Distribution: Indonesia

Hosts: *Lorius garrulus*, *Trichoglossus haematodus* (Psittaciformes: Psittaculidae)

Terratosyringophilus pioni Bochkov et Perez*Terratosyringophilus pioni* Bochkov & Perez, 2002: 155

Type locality: Near Cd. del Maiz, S.L.P.

Distribution: Mexico

Host: *Pionus senilis* (Psittaciformes: Psittacidae)***Terratosyringophilus reichholzi*** Skoracki et Sikora*Terratosyringophilus reichholzi* Skoracki & Sikora, 2008b: 196; Glowska, Chrzanowski & Kaszewska, 2015: 42

Type locality: Astrolabe

Distribution: Papua New Guinea

Host: *Lorius lory* (Psittaciformes: Psittaculidae)Genus ***Tinamiphilopsis*** Skoracki et Sikora*Tinamiphylopsis* Skoracki & Sikora, 2004a: 348Type species: *Tinamiphylopsis elegans* Skoracki et Sikora, 2004***Tinamiphilopsis ariconte*** Skoracki, Sikora et Ozminski*Tinamiphylopsis ariconte* Skoracki, Sikora & Ozminski, 2012: 110; Glowska, Chrzanowski & Kaszewska, 2015: 42

Type locality: Paraguay

Distribution: Brazil, Paraguay

Hosts: *Nothura boraquira*, *N. minor*, *Rhynchotus rufescens* (Tinamiformes: Tinamidae)***Tinamiphilopsis elegans*** Skoracki et Sikora*Tinamiphylopsis elegans* Skoracki & Sikora, 2004a: 350

Type locality: Camarones

Distribution: Argentina

Host: *Eudromia elegans* (Tinamiformes: Tinamidae)Genus ***Torotrogl***a Kethley*Torotrogl*a Kethley, 1970: 28Type species: *Torotrogl*a *mima* Kethley, 1970***Torotrogl***a ***aphelocoma*** Bochkov, Flannery et Spicer*Torotrogl*a *aphelocoma* Bochkov, Flannery & Spicer, 2009: 184; Skoracki, 2011: 227

Type locality: Jeff Davis Co., Fort Davis

Distribution: USA (Texas)

Host: *Aphelocoma californica* (Passeriformes: Corvidae)***Torotrogl***a ***calcarius*** Skoracki*Torotrogl*a *calcarius* Skoracki, 2004d: 310; 2011: 247

Type locality: Lapland, Finland

Distribution: Finland

Host: *Calcarius lapponicus* (Passeriformes: Emberizidae)

Torotroglia cardinalis Bochkov, Flannery et Spicer

Torotroglia cardinalis Bochkov, Flannery & Spicer, 2009: 189; Skoracki, 2011: 227

Type locality: Texas, Hood Co., Jones Ranch

Distribution: USA

Host: *Cardinalis cardinalis* (Passeriformes: Cardinalidae)

Torotroglia cardueli Bochkov et Mironov

Torotroglia cardueli Bochkov & Mironov, 1999: 41; Skoracki, 2004d: 314; 2011: 242; Glowska, Chrzanowski & Kaszewska, 2015: 43

Type locality: Novgorod Prov., Chudovo Distr., Oskuy Vill. (Russia)

Distribution: Finland, Germany, Poland, Russia, Slovakia

Hosts: *Linaria cannabina*, *Carduelis carduelis*, *Loxia curvirostra*, *L. leucoptera*, *L. pytyopsittacus*, *Serinus canaria*, *Spinus spinus* (Passeriformes: Fringillidae)

Torotroglia coccothraustes Bochkov, Flannery et Spicer

Torotroglia coccothraustes Bochkov, Flannery & Spicer, 2009: 191; Skoracki, 2011: 228

Type locality: California, Madera Co., Sierra National Forest

Distribution: USA (California)

Host: *Coccothraustes vespertinus* (Passeriformes: Fringillidae)

Torotroglia cyanocitta Bochkov, Flannery et Spicer

Torotroglia cyanocitta Bochkov, Flannery & Spicer, 2009: 187; Skoracki, 2011: 227

Type locality: Lake Co., Lake Pillsbury; paratypes: Sierra Co., Bear Trap Meadow

Distribution: USA (California)

Host: *Cyanocitta stelleri* (Passeriformes: Corvidae)

Torotroglia emberizae Glowska, Laniecka et Romanowska

Torotroglia emberizae Glowska, Laniecka & Romanowska, 2018: 791

Type locality: Japan

Distribution: Japan

Host: *Emberiza fucata* (Passeriformes: Emberizidae)

Torotroglia gaudi Bochkov et Mironov

Torotroglia gaudi Bochkov & Mironov, 1999: 10; Skoracki & Skoracka, 1999: 185; Skoracki, 2004d: 313; 2011: 239

Type locality: Rybachiy village, Kurshskaya Spit, Kaliningrad Province

Distribution: Poland, Russia, Slovakia

Hosts: *Fringilla coelebs*, *F. montifringilla*, *Pyrrhula pyrrhula* (Passeriformes: Fringillidae)

Torotroglia lullulae* Skoracki, Hromada et KuczynskiTorotroglia lullulae* Skoracki, Hromada & Kuczynski, 2001: 87; Skoracki, 2011: 244

Type locality: Zlate (Slovakia)

Distribution: Russia, Slovakia

Hosts: *Eremophila alpestris*, *Lullula arborea* (Passeriformes: Alaudidae)***Torotroglia lusciniiae* Skoracki***Torotroglia lusciniiae* Skoracki, 2004d: 310; 2011: 236

Type locality: Italy

Distribution: Italy

Hosts: *Luscinia megarhynchos*, *L. svecica* (Passeriformes: Muscicapidae)***Torotroglia merulae* Skoracki, Dabert et Ehrnsberger***Torotroglia merulae* Skoracki, Dabert & Ehrnsberger, 2000: 192; Skoracki, 2004d: 313; Glowska, Skoracki & Khouly, 2007: 67; Skoracki, 2011: 228; Skoracki, Spicer & OConnor, 2016: 483

Type locality: Kuznica – Hel (Poland)

Distribution: Germany, Jordan, Poland, Romania, Russia, Slovakia, USA

Hosts: *Turdus merula*, *T. migratorius*, *T. philomelos*, *T. torquatus*, *T. viscivorus* (Passeriformes: Turdidae)***Torotroglia mima* Kethley***Torotroglia mima* Kethley, 1970: 31; Bochkov, Flannery & Spicer, 2009: 184; Skoracki, 2011: 228; Sikora et al., 2011; Skoracki, Fajfer, Kavetska & Sikora, 2012

Type locality: Odum, Wayne Co., Georgia (USA)

Distribution: Argentina, USA (Georgia)

Hosts: *Mimus patagonicus*, *M. polyglottos*, *M. triurus* (Passeriformes: Mimidae)***Torotroglia modularis* Nattress et Skoracki***Torotroglia modularis* Nattress & Skoracki, 2007: 140; Skoracki, 2011: 234; Klimovičová & Hromada, 2014: 35

Type locality: West Yorkshire (England)

Distribution: England, Mongolia, Poland, Slovakia

Hosts: *Anthus pratensis*, *Prunella modularis* (Passeriformes: Prunellidae)***Torotroglia paenae* Glowska, Laniecka, Schmidt et Romanowska***Torotroglia paenae* Glowska, Laniecka, Schmidt & Romanowska, 2018: 865

Type locality: Omaheke, Aminuis

Distribution: Namibia

Host: *Cercotrichas paena* (Passeriformes: Muscicapidae)

Torotroglia piranga Bochkov, Flannery et Spicer*Torotroglia piranga* Bochkov, Flannery & Spicer, 2009: 192; Skoracki, 2011: 228

Type locality: California, Sierra Co., Bear Trap Meadow

Distribution: USA (California)

Host: *Piranga ludoviciana* (Passeriformes: Cardinalidae)***Torotroglia pycnonotus*** Skoracki*Torotroglia pycnonotus* Skoracki, 2004d: 304; 2011: 250

Type locality: Al-Dhleil near Amman

Distribution: Jordan

Host: *Pycnonotus xanthopygos* (Passeriformes: Pycnonotidae)***Torotroglia rubeculi*** Skoracki*Torotroglia rubeculi* Skoracki, 2004d: 304; 2011: 231; Klimovičová & Hromada, 2014: 35

Type locality: Zachodniopomorskie, Darlowko Wschodnie, Bukowo Kopań (Poland)

Distribution: Poland, Russia, Slovakia

Host: *Erithacus rubecula* (Passeriformes: Muscicapidae)***Torotroglia synallaxis*** Skoracki, Mironov, Hernandez et Valim*Torotroglia synallaxis* Skoracki, Mironov, Hernandez & Valim, 2016: 252

Type locality: Minas Gerais, Nova Lima, APP do Condominio, Miguelso

Distribution: Brazil

Host: *Synallaxis spixi* (Passeriformes: Furnariidae)***Torotroglia villosa*** (Hancock)*Picobia villosa* Hancock, 1895: 382; 1898: 886*Syringophilus villosus* (Hancock): Oudemans, 1906: 72*Torotroglia villosa* (Hancock): Kethley, 1970: 30; Bochkov, Flannery & Spicer, 2009: 184; Skoracki, 2011: 228

Type locality: Arizona

Distribution: USA (Arizona)

Host: *Phainopepla nitens* (Passeriformes: Ptilonotidae)***Torotroglia volgini*** Skoracki et Mironov*Torotroglia volgini* Skoracki & Mironov, 2013: 560

Type locality: Primorskiy Krai, Partizanskiy Distr., Novolitovsk

Distribution: Russia

Host: *Emberiza elegans* (Passeriformes: Emberizidae)Genus ***Trypetoptila*** Kethley*Trypetoptila* Kethley, 1970: 25

Type species: *Trypetoptila casmerodia* Kethley, 1970

***Trypetoptila casmerodia* Kethley**

Trypetoptila casmerodia Kethley, 1970: 28

Type locality: McIntosh Co., Georgia

Distribution: USA (Georgia)

Host: *Ardea alba egretta* (Pelecaniformes: Ardeidae)

Subfamily **Picobiinae** Johnston et Kethley

Picobiinae Johnston & Kethley, 1973: 529

Type genus: *Picobia* Haller, 1878

Lobatinae Casto, 1977: 169

Cuculiphilinae [as nom. nov.](praeoccupied)

Type genus: *Cuculiphilus* Casto, 1977

Genus ***Calamincola*** Casto

Cuculiphilus Casto, 1977: 170 (praeocc. from Uchida, 1926)

Calamincola Casto, 1978: 158

Type species: *Cuculiphilus lobatus* Casto, 1977

***Calamincola lobatus* (Casto)**

Cuculiphilus lobatus Casto, 1977: 170

Calamincola lobatus (Casto): Casto, 1978: 158; Hromada et al., 2016: 532; Skoracki, 2017: 188

Type locality: South Texas

Distribution: Colombia, Mexico, USA (Texas)

Host: *Crotophaga sulcirostris* (Cuculiformes: Cuculidae)

Genus ***Charadriineopicobia*** Skoracki, Spicer et OConnor

Charadriineopicobia Skoracki, Spicer & OConnor, 2014: 102

Type species: *Charadriineopicobia calidris* Skoracki, Spicer et OConnor, 2014

***Charadriineopicobia apricaria* Skoracki, Sikora et Spicer**

Charadriineopicobia apricaria Skoracki, Sikora & Spicer, 2016: 12

Type locality: St. Malo

Distribution: France

Host: *Pluvialis apricaria* (Charadriiformes: Charadriidae)

***Charadriineopicobia calidris* Skoracki, Spicer et OConnor**

Charadriineopicobia calidris Skoracki, Spicer & OConnor, 2014: 103; Skoracki, Sikora & Spicer, 2016: 18

Type locality: Texas, Calhoun Co., Matagorda Island

Distribution: USA

Host: *Calidris alba* (Charadriiformes: Scolopacidae)

Charadriineopicobia leucophaeus (Skoracki, Hendericks et Spicer)

Picobia leucophaeus Skoracki, Hendericks & Spicer, 2010: 730

Charadriineopicobia leucophaeus (Skoracki, Hendericks et Spicer): Skoracki, Spicer & OConnor, 2014: 104

Type locality: Texas, Calhoun Co.

Distribution: USA

Host: *Leucophaeus atricilla* (Charadriiformes: Laridae)

Charadriineopicobia ristowi Zmudzinski et Unsoeld

Charadriineopicobia ristowi Zmudzinski & Unsoeld, 2019: 373

Type locality: Germany

Distribution: Germany

Host: *Limosa lapponica* (Charadriiformes: Scolopacidae)

Genus ***Columbiphilus*** Kivganov et Sharafat

Columbiphilus Kivganov & Sharafat, 1995: 82

Type species: *Columbiphilus khushalkhani* Kivganov et Sharafat, 1995

Columbiphilus alectoris (Fain, Bochkov et Mironov)

Picobia alectoris Fain, Bochkov & Mironov, 2000: 65; Skoracki, Bochkov & Wauthy, 2004: 164

Picobia alectoris: Skoracki & Dabert, 2002: 138

Columbiphilus alectoris (Fain, Bochkov et Mironov): Skoracki, 2011: 374; Skoracki & Sikora, 2011; Skoracki & Hromada, 2013; Skoracki, Sikora & Spicer, 2016: 25

Type locality: France (see the notes in Skoracki, Sikora & Spicer, 2016).

Distribution: France, Rwanda

Hosts: *Alectoris rufa*, *Alectoris* sp. (Galliformes: Phasianidae)

Columbiphilus khushalkhani Kivganov et Sharafat

Columbiphilus khushalkhani Kivganov & Sharafat, 1995: 83; Skoracki, 2011: 374; Skoracki, Sikora & Spicer, 2016: 19

Picobia khushalkhani (Kivganov et Sharafat): Bochkov & Mironov, 1999: 16; Skoracki, Bochkov & Wauthy, 2004: 172

Picobia polonica Skoracki, Magowski & Dabert, 2001: 154 – Type loc. Wielkopolska, Zasutowo, Distr. Poland, India (syn. by Skoracki, Sikora & Spicer, 2016)

Columbiphilus polonica (Skoracki, Magowski et Dabert): Skoracki, 2011: 375; Skoracki & Sikora, 2011

Type locality of *C. khushalkhani*: Kabul (Afghanistan)

Distribution: Afghanistan, Belgium, Germany, India, Japan, Poland, USA, Central, Eastern and South Africa, USA

Hosts: *Columba livia* (Columbiformes: Columbidae – accidental host), *Coturnix coturnix*, *Gallus gallus domesticus*, *G. sonneratii*, *Francolinus clappertoni* (Galliformes: Phasianidae), *Acryllium vulturinum*, *Numida meleagris* (Galliformes: Numididae)

Columbiphilus odontophoridus Skoracki et Sikora

Columbiphilus odontophoridus Skoracki & Sikora, 2011: 28

Type locality: Bogota (Colombia)

Distribution: Colombia, Suriname

Hosts: *Colinus cristatus*, *C. leucopogon* (Galliformes: Odontophoridae)

Columbiphilus pteroclesi (Skoracki et OConnor)

Picobia pteroclesi Skoracki & OConnor, 2010: 27

Columbiphilus pteroclesi (Skoracki et OConnor): Skoracki, 2011: 379; Skoracki, Sikora & Spicer, 2016: 26

Type locality: Egypt, Red Sea Governate, Wadi el Metuli

Distribution: Egypt

Hosts: *Pterocles coronatus*, *P. senegallus* (Pterocliiformes: Pteroclididae)

Genus ***Gunabopicobia*** Skoracki et Hromada

Gunabopicobia Skoracki & Hromada, 2013: 196

Type species: *Picobia zumpti* Lawrence, 1959

Gunabopicobia claravis Kaszewska, Skoracki et Hromada

Gunabopicobia claravis Kaszewska, Skoracki & Hromada, 2018: 292

Type locality: Cauca Province, Mercaderes

Distribution: Colombia

Host: *Claravis pretiosa* (Columbiformes: Columbidae)

Gunabopicobia geotrygoni Kaszewska, Skoracki et Hromada

Gunabopicobia geotrygoni Kaszewska, Skoracki & Hromada, 2018: 292

Type locality: Venezuela, Silla de Caracas

Distribution: Colombia, Martinique, Paraguay, Venezuela

Hosts: *Geotrygon chryseie*, *G. frenata*, *G. linearis*, *G. montana* (Columbiformes: Columbidae)

Gunabopicobia lathami Kaszewska, Skoracki et Hromada

Gunabopicobia lathami Kaszewska, Skoracki & Hromada, 2018: 290

Type locality: Australia

Distribution: Australia, Indonesia, Papua New Guinea

Hosts: *Leucosarcia melanoleuca*, *Caloenas nicobarica* (Columbiformes: Columbidae)

Gunabopicobia leptotila Kaszewska, Skoracki et Hromada

Gunabopicobia leptotila Kaszewska, Skoracki & Hromada, 2018: 291

Type locality: Formosa Province, Tapiciolé

Distribution: Argentina

Host: *Leptotila verreauxi* (Columbiformes: Columbidae)

Gunabopicobia masalaje Kaszewska, Kavetska et Skoracki

Gunabopicobia masalaje Kaszewska, Kavetska & Skoracki, 2014: 294; Skoracki, Sikora & Spicer, 2016: 26

Type locality: Papua New Guinea

Distribution: Indonesia (Sulawesi), Papua New Guinea

Hosts: *Ducula luctuosa*, *D. pistrinaria*, *D. rosacea*, *D. rufigaster*, *D. spilorrhoea*, *Ptilinopus iozonus* (Columbiformes: Columbidae: Treroninae)

Gunabopicobia metropelia Kaszewska, Skoracki et Hromada

Gunabopicobia metropelia Kaszewska, Skoracki & Hromada, 2018: 295

Type locality: Neuquén Province, Patagonia

Distribution: Argentina

Hosts: *Metropelia melanoptera* (Columbiformes: Columbidae)

Gunabopicobia zumpti (Lawrence)

Syringophilus zumpti Lawrence, 1959: 425

Picobia zumpti: Kethley, 1970: 65; Skoracki & Dabert, 2002: 144; Skoracki, Bochkov & Wauthy, 2004: 171; Bochkov, Williams & Proctor, 2005: 122

Neopicobia zumpti: Skoracki, 2011: 384

Gunabopicobia zumpti: Skoracki & Hromada, 2011: 197; Skoracki, Sikora & Spicer, 2016: 27; Kaszewska, Skoracki & Hromada, 2018: 294

Type locality: South Africa

Distribution: South Africa, USA

Hosts: *Columba livia*, *Streptopelia capicola*, *S. senegalensis*, *Zenaida macroura* (Columbiformes: Columbidae)

Genus ***Lawrencipicobia*** Skoracki et Hromada

Lawrencipicobia Skoracki & Hromada, 2013: 199

Type species: *Picobia poicephali* Skoracki et Dabert, 2002

Lawrencipicobia calyptorhyncha Marciniak, Skoracki et Hromada

Lawrencipicobia calyptorhyncha Marciniak, Skoracki & Hromada, 2019: 194

Type locality: Australia

Distribution: Australia

Host: *Calyptrorhyncha lathamii* (Psittaciformes: Cacatuidae)

Lawrencipicobia poicephali (Skoracki et Dabert)

Picobia poicephali Skoracki & Dabert, 2002: 143, Skoracki, Bochkov & Wauthy, 2004: 171; Skoracki, 2005: 128; 2011: 329

Lawrencipicobia poicephali (Skoracki et Dabert): Skoracki & Hromada, 2014: 199; Skoracki, Sikora & Spicer, 2016: 29; Skoracki, Sikora & Hromada, 2019: 1610

Type locality: Galim

Distribution: Cameroon

Host: *Poicephalus senegalus versteri* (Psittaciformes: Psittacidae)

Lawrencipicobia sulphurea Marciniak, Skoracki et Hromada

Lawrencipicobia sulphurea Marciniak, Skoracki & Hromada, 2019: 196

Type locality: West Timor, East Nusa Tenggara Province, Kupang Regency
Fatulaeu District, Camplong I (Tjamplong)

Distribution: Indonesia (West Timor)

Host: *Cacacia sulphurea* (Psittaciformes: Cacatuidae)

Genus ***Neopicobia*** Skoracki

Neopicobia Skoracki, 2011: 383

Type species: *Syringophilus anthi* Fritsch, 1958

Neopicobia anthi (Fritsch)

Syringophilus anthi Fritsch, 1958: 240

Picobia anthi: Fain, Bochkov & Mironov, 2000: 65; Skoracki, Bochkov & Wauthy, 2004: 172

Neopicobia anthi (Fritsch): Skoracki, 2011: 384

Type locality: "Schlesien"

Distribution: Germany, Poland

Hosts: *Anthus cervinus*, *A. trivialis* (Passeriformes: Motacillidae)

Neopicobia cardinalis (Skoracki, Hendricks et Spicer)

Picobia cardinalis Skoracki, Hendricks & Spicer, 2010: 733

Neopicobia cardinalis (Skoracki, Hendricks et Spicer): Skoracki, 2011: 384

Type locality: Texas, Johnson Co.

Distribution: USA (Texas)

Host: *Cardinalis cardinalis* (Passeriformes: Cardinalidae)

Neopicobia carpodacus (Skoracki, Hendricks et Spicer)

Picobia carpodacus Skoracki, Hendricks & Spicer, 2010: 737

Neopicobia carpodacus (Skoracki, Hendricks et Spicer): Skoracki, 2011: 384; Skoracki, Sikora & Spicer, 2016: 35

Type locality: California, Monterey County

Distribution: USA (California)

Host: *Haemorrhous [Carpodacus] purpureus* (Passeriformes: Fringillidae)

Neopicobia ea Skoracki et Unsöld

Neopicobia ea Skoracki & Unsöld, in: Skoracki, Unsöld, Kaszewska & Kavetska, 2014: 78

Type locality: Venezuela, Rio Caura

Distribution: Brazil, Peru, Venezuela

Hosts: *Celeus elegans*, *C. flavus*, *C. torquatus* (Piciformes: Picidae)

Neopicobia epthianura (Skoracki, Glowska et Sikora)

Picobia epthianura Skoracki, Glowska & Sikora, 2008: 62

Neopicobia epthianura (Skoracki, Glowska et Sikora): Skoracki, 2011: 384

Type locality: Australia

Distribution: Australia

Host: *Epthianura aurifrons* (Passeriformes: Meliphagidae)

Neopicobia freya Skoracki et Unsöld

Neopicobia freya Skoracki & Unsöld, in: Skoracki, Unsöld, Kaszewska & Kavetska, 2014: 74; Klimovičova et al., 2014a: 6

Type locality: Paraguay

Distribution: Kenya, Panama, Paraguay, Tanzania

Hosts: *Dryocopus galeatus*, *Dendropicos goerthae*, *D. griseocephalus*, *Colaptes [Piculus] rubiginosus* (Piciformes: Picidae)

Neopicobia hepburni Glowska et Laniecka

Neopicobia hepburni Glowska & Laniecka, 1914: 636; Skoracki, Sikora & Spicer, 2016: 37

Type locality: Peru

Distribution: Ecuador, Paraguay, Peru, Guyana

Hosts: *Picumnus exilis*, *P. sclateri*, *P. olivaceus*, *P. temminckii* (Piciformes: Picidae)

Neopicobia herbicolae Glowska, Laniecka et Milensky

Neopicobia herbicolae Glowska, Laniecka & Milensky, 1915: 636

Type locality: Guyana

Distribution: Guyana

Host: *Emberizoides herbicola* (Passeriformes: Thraupidae)

Neopicobia ictericus (Skoracki et Glowska)

Picobia ictericus Skoracki & Glowska, in: Skoracki, Glowska, Lontkowski & Stawarczyk, 2010: 143

Neopicobia ictericus (Skoracki et Glowska): Skoracki, Sikora & Spicer, 2016: 33

Type locality: Brazil

Distribution: Brazil

Hosts: *Cacicus chrysopterus*, *Pseudoleistes guirahuro* (Passeriformes: Icteridae)

Neopicobia modularis (Skoracki et Magowski)

Picobia modularis Skoracki & Magowski, 2001: 114; Skoracki, Bochkov & Wauthy, 2004: 171

Neopicobia modularis (Skoracki et Magowski): Skoracki, 2011: 386; Klimovičová & Hromada, 2014: 36

Type locality: Kuznica – Hel (Poland)

Distribution: Mongolia, Poland, Slovakia

Hosts: *Prunella atrogularis*, *P. modularis* (Passeriformes: Prunellidae), *Pyrrhula pyrrhula* (Pass., Fringillidae)

Neopicobia pari Skoracki, Sikora et Spicer

Neopicobia pari Skoracki, Sikora & Spicer, 2016: 33

Type locality: China, Fujian Prov.

Distribution: China, Finland, Japan, N. Macedonia,

Hosts: *Parus major*, *Periparus venustulus*, *Poecile varius* (Passeriformes: Paridae)

Neopicobia troglodytes (Skoracki, Hendricks et Spicer)

Picobia troglodytes Skoracki, Hendricks & Spicer, 2010: 731

Neopicobia troglodytes (Skoracki et al.): Skoracki, 2011: 384

Type locality: California, Monterey Co.

Distribution: USA (California)

Hosts: *Thryomanes bewickii*, *Troglodytes aedon* (Passeriformes: Troglodytidae), *Cardellina pusilla* (Pass.: Parulidae)

Genus ***Phipicobia*** Glowska et Schmidt

Phipicobia Glowska & Schmidt, 2014a: 194

Type species: *Phipicobia pygiptilae* Glowska et Schmidt, 2004

Phipicobia pygiptilae Glowska et Schmidt

Phipicobia pygiptilae Glowska & Schmidt, 2004: 19

Type locality: Guyana

Distribution: Guyana

Host: *Pygiptila stellaris* (Passeriformes: Thamnophilidae)

Genus ***Picobia*** Haller

Picobia Haller, 1878: 81 – 91

Type species: *Picobia heeri* Haller, 1878

Picobia bernieriarum Skoracki, OConnor et Goodman

Picobia bernieriarum Skoracki, OConnor & Goodman, 2016: 1541

Type locality: Tulear Prov., Fivondronana de Tolagnaro, Forêt de Marosohy along Enakara-Antseva trail, 15.5 km WNW Ranomafana (~24°34'S, 46°48'E)

Distribution: Madagascar

Hosts: *Bernieria madagascariensis*, *Xanthomixis zosterops* (Passeriformes: Bernieridae)

Picobia biarmicus Skoracki, Bochkov et Wauthy

Picobia biarmicus Skoracki, Bochkov & Wauthy, 2004: 165; Skoracki, 2011: 328

Type locality: Miedzyodrze

Distribution: Poland

Host: *Panurus biarmicus* (Passeriformes: Panuridae)

Picobia caudati Skoracki et Hebda

Picobia caudati Skoracki & Hebda, 2004: 2; Zmudzinski & Unsoeld, 2016: 355

Type locality: Popielow near Opole (Poland)

Distribution: Germany, Poland

Host: *Aegithalos caudatus* (Passeriformes: Aegithalidae)

Picobia cetti Skoracki

Picobia cetti Skoracki, 2011: 357

Type locality: Aras

Distribution: Turkey

Host: *Cettia cetti* (Passeriformes: Cettidae)

Picobia chloris Bochkov, Mironov et Kravtsova

Picobia chloris Bochkov, Mironov & Kravtsova, 2000: 352; Skoracki, Bochkov & Wauthy, 2004: 172; Skoracki, 2011: 328

Type locality: Bishkek City

Distribution: Kyrgyzstan

Host: *Chloris chloris* (Passeriformes: Fringillidae)

Picobia cichladusa Skoracki, Solarczyk et Sikora

Picobia cichladusa Skoracki, Solarczyk & Sikora, 2012: 124; Skoracki & Hromada, 2013: 201

Type locality: Soga

Distribution: Tanzania

Host: *Cichladusa arcuata* (Passeriformes: Muscicapidae)

Picobia cissa Skoracki, Bochkov et Wauthy

Picobia cissa Skoracki, Bochkov & Wauthy, 2004: 168; Skoracki, 2011: 328; Skoracki, Sikora & Spicer, 2016: 52

Type locality: North Indochina

Distribution: North Indochina

Hosts: *Cissa chinensis*, *Urocissa erythrorhyncha* (Passeriformes: Corvidae)

Picobia corcoracus Skoracki, Glowska et Sikora

Picobia corcoracus Skoracki, Glowska & Sikora, 2008: 64; Skoracki, 2011: 328

Type locality: Australia

Distribution: Australia

Host: *Corcorax melanorhamphos* (Passeriformes: Corcoracidae)

Picobia currucae Skoracki et Magowski

Picobia currucae Skoracki & Magowski, 2001: 116; Glowska, Skoracki & Khouly, 2007: 64; Skoracki, 2011: 348

Type locality: Poland, Kuznica-Hel

Distribution: Jordan, Poland, Turkey

Hosts: *Sylvia curruca*, *S. hortensis*, *S. nisoria* (Passeriformes: Sylviidae)

Picobia dinemellia Glowska et Skoracki

Picobia dinemellia Glowska & Skoracki, 2011: 64; Skoracki & Hromada, 2013: 201

Type locality: Tanzania

Distribution: Tanzania

Host: *Dinemellia dinemelli* (Passeriformes: Ploceidae)

***Picobia dryobatis* (Fritsch)**

Syringophilus dryobatis Fritsch, 1958: 242

Picobia dryobatis (Fritsch): Kethley, 1970: 65; Skoracki, Bochkov & Wauthy, 2004: 159; Nattress & Skoracki, 2009: 53; Skoracki, Hendricks & Spicer, 2010: 739; Skoracki, 2011: 334; Klimovičova et al., 2014a: 5; Głowska, Chrzanowski & Kaszewska, 2015: 50; Skoracki, Sikora & Spicer, 2016: 62

Picobia dryobates: Bochkov & Mironov, 1998: 15

Type locality: Germany; neotype from Poland (Darlowko Wschodnie, Bukovo – Kopan)

Distribution: Brazil, Germany, England, Ecuador, Ethiopia, Kenya, Moldavia, Nepal, Paraguay, Poland, Slovakia, Suriname, Tanzania, Trinidad and Tobago, USA, Venezuela, Zambia

Hosts: *Campethera nubica*, *Dendrocopos borealis*, *D. darjellensis*, *D. leucotos*, *D. macei*, *D. major*, *D. minor hortorum*, *D. namaquus*, *D. stierlingi*, *D. syriacus*, *Dendropicops fuscescens*, *D. goerthae*, *D. namaquus*, *D. stierlingi*, *Dryocopus pileatus*, *Jynx torquilla*, *Melanerpes carolinus*, *M. erythrocephalus*, *Picoides mixtus*, *P. pubescens*, *P. scalaris*, *P. tridactylus*, *Veneliornis cassini*, *V. dignus*, *V. fumigatus*, *V. kirkii*, *V. maculifrons*, *V. passerines*, *V. sanguineus*, *V. spilogaster* (Piciformes: Picidae); [*Sturnus vulgaris* (Passeriformes: Sturnidae)]. Note by Głowska, Chrzanowski & Kaszewska (2015): “Specimens from *Sturnus vulgaris* determined as *P. dryobatis* (Bochkov & Mironov 1998) belong to *Picobia sturni* (Skoracki et al. 2004d)”.

***Picobia dziabaszewskii* Głowska, Dragun-Damian et Dabert**

Picobia dziabaszewskii Głowska, Dragun-Damian & Dabert, 2012: 59; Klimovičova et al., 2014a: 5

Type locality: China

Distribution: China, Kenya, Namibia, Tanzania, Zambia

Hosts: *Trochalopteron [Garrulax] formosus*, *Turdoides jardineii*, *T. leucopygia*, *T. rubiginosa* (Passeriformes: Leiothrichidae)

***Picobia echo* Skoracki, Solarczyk et Sikora**

Picobia echo Skoracki, Solarczyk & Sikora, 2012: 126; Skoracki & Hromada, 2013: 202

Type locality: South Kivu, Bukavu

Distribution: DR Congo, Indonesia, Nepal

Host: *Cossypha heuglini*, *Copsychus malabricus*, *C. saularis* (Passeriformes: Muscicapidae)

***Picobia eremophila* Skoracki**

Picobia eremophila Skoracki, 2011: 363; Skoracki & Hromada, 2013: 202

Type locality: Egypt

Distribution: Egypt

Host: *Eremophila bilopha* (Passeriformes: Alaudidae)

Picobia galerida* SkorackiPicobia galerida* Skoracki, 2011: 367

Type locality: Zachodniopomorskie, near Swinoujście

Distribution: Poland

Host: *Galerida cristata* (Passeriformes: Alaudidae)***Picobia heeri* Haller***Picobia Heeri* Haller, 1878: 81–91; Oudemans, 1906: 73; Dubinin, 1957: 94; Kethley, 1970: 64; Skoracki, Bochkov & Wauthy, 2004: 158; Skoracki, 2011: 329; Skoracki et al., 2014: 71; Skoracki, Sikora & Spicer, 2016: 62*Syringophilus heeri*: Poppe, 1888: 238*Picobia helleri* [sic]: Bochkov & Mironov, 1999: 15

Type locality: Zurich (Switzerland)

Distribution: Germany, India, Indonesia (Sumatra), Japan, Nepal, Poland, Switzerland, Thailand

Hosts: *Picus awokera*, *P. canus*, *P. chlorolophus*, *P. erythropygius*, *P. flavinucha*, *P. punicus*, *P. squamatus*, *P. viridis* (Piciformes: Picidae)***Picobia illadopsae* Skoracki et Hromada***Picobia illadopsae* Skoracki & Hromada, 2013: 202

Type locality: Kakamega, Buyangu, Udo's campsite, 0°21'11"N, 34°51'50"E, 1598 m a.s.l.

Distribution: Kenya

Host: *Illadopsis rufipennis* (Passeriformes: Pellorneidae)***Picobia indonesiana* Skoracki et Glowska***Picobia indonesiana* Skoracki & Glowska, 2008: 281; Skoracki, 2011: 328

Type locality: Indonesia

Distribution: Indonesia

Hosts: *Aplonis panayensis*, *Enodes erythrophris*, *Mino dumontii* (Passeriformes: Sturnidae)***Picobia lamprotornis* Klimovičova, Skoracki, Wamiti et Hromada***Picobia lamprotornis* Klimovičova, Skoracki, Wamiti & Hromada, 2014: 395; Klimovičova et al., 2014a: 2

Type locality: Soysambu Conservancy

Distribution: Kenya

Hosts: *Lamprotornis superbus* (Passeriformes: Sturnidae), *Ploceus ocularis* (Passeriformes: Ploceidae)***Picobia lemi* Skoracki, Glowska et Sikora***Picobia lemi* Skoracki, Glowska & Sikora, 2008: 60; Skoracki, 2011: 328

Type locality: New Guinea

Distribution: Papua New Guinea

Hosts: *Manucodia ater*, *M. chalybatus* (Passeriformes: Paradisaeidae)

Picobia lonchura Skoracki, Sikora et Spicer

Picobia lonchura Skoracki, Sikora & Spicer, 2016: 53

Picobia lonchurae: Skoracki, Hromada, Prevuznakova & Wamiti, 2019: 1804, 2019: 1805

Type locality: Java

Distribution: Indonesia, Uganda

Hosts: *Estrilda atricapilla*, *Lonchura leucogastra* (Passeriformes: Estrildidae)

Picobia magellani Skoracki, Sikora et Spicer

Picobia magellani Skoracki, Sikora & Spicer, 2016: 43

Type locality: Bogota

Distribution: Colombia

Host: *Scytalopus magellanicus* (Passeriformes: Rhinocryptidae)

Picobia makoli Skoracki, Sikora et Spicer

Picobia makoli Skoracki, Sikora & Spicer, 2016: 45

Type locality: Leticia

Distribution: Colombia

Host: *Xiphocolaptes promeropirhynchus* (Passeriformes: Furnariidae)

Picobia mentalis Skoracki et Unsoeld

Picobia mentalis Skoracki & Unsoeld, in: Skoracki, Unsoeld, Kaszewska & Kavetska, 2014: 71

Type locality: Malacca

Distribution: Indonesia (Java), Malaysia (Malacca)

Host: *Picus mentalis* (Piciformes: Picidae)

Picobia meru Klimovičova, Skoracki et Hromada

Picobia meru Klimovičova, Skoracki & Hromada, 2016: 582

Type locality: Arabuko Sokoke Forest; Ngaye Forest, Meru, 1220 m

Distribution: Kenya

Host: *Prionops sulcifrons* (Passeriformes: Vangidae)

Picobia myiopagi Glowska et Milensky

Picobia myiopagi Glowska & Milensky, 2014: 378

Type locality: Guyana

Distribution: Guyana, Peru

Hosts: *Elaenia ruficeps*, *Myiopagis gaimardii*, *M. subplacens* (Passeriformes: Tyrannidae)

Picobia myrmecocichla Skoracki, Solarczyk et Sikora

Picobia myrmecocichla Skoracki, Solarczyk & Sikora, 2012: 132; Skoracki & Hromada, 2013: 205

Type locality: Tanzania

Distribution: Tanzania

Host: *Myrmecocichla arnotti* (Passeriformes: Muscicapidae)

Picobia neomixis Skoracki, OConnor et Goodman

Picobia neomixis Skoracki, OConnor & Goodman, 2016: 1538

Type locality: Tulear Prov., Toliara Province, Fivondronana de Tolagnaro, 1.5 km NW Manafiafy (~24°46'S, 47°11'E)

Distribution: Madagascar

Host: *Neomixis tenella* (Passeriformes: Cisticolidae)

Picobia ochoi Glowska et Milensky

Picobia ochoi Glowska & Milensky, 2014: 374

Type locality: Guyana, Cuyuni-Mazarini, Paruima

Distribution: Guyana

Host: *Tolmomyias sulphureus* (Passeriformes: Tyrannidae)

Picobia oritis Skoracki, Antczak et Riegert

Picobia oritis Skoracki, Antczak & Riegert, 2009: 133; Skoracki, 2011: 328; Skoracki & Hromada, 2013: 205; Klimovičova et al., 2014a; Skoracki, Sikora & Spicer, 2016: 52

Type locality: Cameroon, North-Western Province, Bamenda Highlands, Mendongbuo, 06°05'N, 10°18'E, 2200 m a.s.l.

Distribution: Angola, Botswana, Cameroon, Kenya, Somalia, South Africa, Uganda, Zambia

Hosts: *Cinnyris erythrocerus*, *C. oustaleti*, *C. talatala*, *C. venustus*, *Cyanomitra olivacea*, *C. oritis* (Passeriformes: Nectariniidae)

Picobia paludicola Skoracki et Kiljan

Picobia paludicola Skoracki & Kiljan, 2002: 2; Skoracki, Bochkov & Wauthy, 2004: 171; Skoracki, 2011: 328

Type locality: Swinoujście

Distribution: Poland

Host: *Acrocephalus paludicola* (Passeriformes: Acrocephalidae)

Picobia passeri Skoracki et Sikora

Picobia passeri Skoracki & Sikora, 2014: 195

Type locality: Russia, Tula District, Suvorov

Distribution: Russia

Host: *Passer domesticus* (Passeriformes: Passeridae)

Picobia phoeniculi Fain, Bochkov et Mironov

Picobia phoeniculi Fain, Bochkov & Mironov, 2000: 69; Skoracki & Dabert, 2002: 138; Skoracki, Bochkov & Wauthy, 2004: 168; Skoracki & Hromada, 2013: 206; Skoracki, Sikora & Spicer, 2016: 62

Type locality: Rwanda

Distribution: N. Macedonia, Kazakhstan, Pakistan, Rwanda, Tanzania

Hosts: *Phoeniculus purpureus ruwenzoriae* (Upupiformes: Phoeniculidae), *Upupa epops africana*, *U. epops epops* (Upupiformes: Upupidae)

Picobia phoenicuri Skoracki et Hromada

Picobia phoenicuri Skoracki & Hromada, 2013: 208

Type locality: Tunisia

Distribution: Tunisia

Host: *Phoenicurus moussieri* (Passeriformes: Muscicapidae)

Picobia ploceus Klimovičova, Skoracki, Wamiti et Hromada

Picobia ploceus Klimovičova, Skoracki, Wamiti & Hromada, 2014: 395

Type locality: Kenya

Distribution: Kenya

Host: *Ploceus ocularis* (Passeriformes: Ploceidae)

Picobia psaltriparus Skoracki, Hendricks et Spicer

Picobia psaltriparus Skoracki, Hendricks & Spicer, 2010: 738

Type locality: Texas, Jeff Davis Co.

Distribution: USA

Host: *Psaltriparus minimus* (Passeriformes: Aegithalidae)

Picobia pycnonoti Glowska, Skoracki et Khouirly

Picobia pycnonoti Glowska, Skoracki & Khouirly, 2007: 64; Skoracki, 2011: 346; Klimovičova et al., 2014a: 6; Skoracki, Sikora & Spicer, 2016: 48

Type locality: Al-Dhleil (Jordan)

Distribution: Jordan, Kenya, Philippines

Hosts: *Pycnonotus barbatus*, *P. goiavier*, *P. xanthopygus* (Passeriformes: Pycnonotidae)

Picobia riparius Skoracki

Picobia riparius Skoracki, 2011: 360

Type locality: Lubuskie, Zielona Gora

Distribution: Poland

Host: *Riparia riparia* (Passeriformes: Hirundinidae)

Picobia sayornis Glowska*Picobia sayornis* Glowska, 2014: 140

Type locality: Peru, Tumbes, El Caucho Biol. Station

Distribution: Peru

Host: *Sayornis nigricans* (Passeriformes: Tyrannidae)***Picobia schmidtii*** Glowska et Milensky*Picobia schmidtii* Glowska & Milensky, 2014: 378

Type locality: Peru, Tumbes, El Caucho Biol. Station

Distribution: Guyana, Peru

Hosts: *Lophotriccus pilatus*, *Hemitriccus margaritaceiventer* (Passeriformes: Tyrannidae)***Picobia sturni*** Skoracki, Bochkov et Wauthy*Picobia sturni* Skoracki, Bochkov & Wauthy, 2004: 159; Bochkov & Mironov, 1998; Skoracki, 2011b; Skoracki, Sikora & Spicer, 2016: 61

Type locality: Poland, Bukowo – Kopan

Distribution: Japan, Moldavia, Morocco, Poland, Slovakia

Hosts: *Sturnus cineraceus*, *S. unicolor*, *S. vulgaris* (Passeriformes: Sturnidae)***Picobia troglodytidus*** Sikora et Skoracki*Picobia troglodytidus* Sikora & Skoracki, 2012: 62

Type locality: Costa Rica, Cartago

Distribution: Costa Rica

Host: *Henicorhina leucophrys* (Passeriformes: Troglodytidae)***Picobia* sp.**

Argentina, Skoracki & Sikora, 2002: 8

Host: *Aphrastura spinicauda* (Passeriformes: Furnariidae)Genus ***Pipicobia*** Glowska et Schmidt*Pipicobia* Glowska & Schmidt, 2014b: 58Type species: *Picobia locustella* Skoracki, Bochkov et Wauthy, 2004***Pipicobia glossopsitta*** (Skoracki, Glowska et Sikora)*Picobia glossopsitta* Skoracki, Glowska & Sikora, 2008: 67*Neopicobia glossopsitta*: Skoracki, 2011: 384*Pipicobia glossopsitta*: Glowska & Schmidt, 2014: 59

Type locality: Australia

Distribution: Australia

Host: *Glossopsitta porphyrocephala* (Psittaciformes: Psittaculidae)

Pipicobia locustella (Skoracki, Bochkov et Wauthy)*Picobia locustella* Skoracki, Bochkov & Wauthy, 2004: 164*Neopicobia locustella* Skoracki, 2011: 389*Pipicobia locustella* (Skoracki, Bochkov et Wauthy): Glowska & Schmidt, 2014: 58

Type locality: Poland, Swinoujście

Distribution: Poland

Hosts: *Locustella luscinioides*, *L. naevia* (Passeriformes: Locustellidae)***Pipicobia pyrrholaemus*** (Skoracki et Glowska)*Picobia pyrrholaemus* Skoracki & Glowska, 2008: 284*Neopicobia pyrrholaemus* Skoracki, 2011: 384*Pipicobia pyrrholaemus* (Skoracki et Glowska): Glowska & Schmidt, 2014: 59

Type locality: Australia

Distribution: Australia

Host: *Pyrrholaemus sagittatus* (Passeriformes: Acanthizidae)***Pipicobia terpsiphoni*** Glowska et Schmidt*Pipicobia terpsiphoni* Glowska & Schmidt, 2014: 59; Skoracki et al., 2016: 1544

Type locality: Ogooue Maritime Province (Moukalaba-Doudou National Park, Gabon)

Distribution: Gabon, Madagascar

Hosts: *Terpsiphone mutata*, *T. rufiventer* (Passeriformes: Monarchidae)Genus ***Pseudopicobia*** Skoracki, Scibek et Sikora*Pseudopicobia* Skoracki, Scibek & Sikora, 2012: 230Type species: *Pseudopicobia nonnula* Skoracki, Scibek et Sikora, 2012***Pseudopicobia hapaloptila*** Skoracki, Scibek et Sikora*Pseudopicobia hapaloptila* Skoracki, Scibek & Sikora, 2012: 234

Type locality: Riobamba

Distribution: Ecuador

Host: *Hapaloptila castanea* (Galbuliformes: Bucconidae)***Pseudopicobia malacoptila*** Skoracki, Scibek et Sikora*Pseudopicobia malacoptila* Skoracki, Scibek & Sikora, 2012: 233

Type locality: Antioquia, Mutatá

Distribution: Colombia

Host: *Malacoptila panamensis* (Galbuliformes: Bucconidae)***Pseudopicobia nonnula*** Skoracki, Scibek et Sikora*Pseudopicobia nonnula* Skoracki, Scibek & Sikora, 2012: 230

Type locality: Bogota
 Distribution: Colombia
 Host: *Nonnula frontalis* (Galbuliformes: Bucconidae)

Genus ***Rafapicobia*** Skoracki
Rafapicobia Skoracki, 2011: 391
 Type species: *Rafapicobia zirnitra* Skoracki, 2011

Rafapicobia automoli Glowska, Laniecka et Milensky
Rafapicobia automoli Glowska, Laniecka & Milensky, 2015: 489
 Type locality: Guyana
 Distribution: Guyana
 Hosts: *Automolus ochralaemus*, *A. rufipileatus* (Passeriformes: Furnariidae)

Rafapicobia brachypteraci Skoracki, Hromada et Sikora
Rafapicobia brachypteraci Skoracki, Hromada & Sikora, 2020: 171
 Type locality: Madagascar
 Distribution: Madagascar
 Host: *Atelornis crossleyi* (Coraciiformes: Brachypteracidae)

Rafapicobia brotogeris (Fain, Bochkov et Mironov)
Picobia brotogeris Fain, Bochkov & Mironov, 2000: 62; Skoracki, Bochkov & Wauthy, 2004: 163; Skoracki, 2005: 128; 2011: 328
Picobia brotogeris: Skoracki & Sikora, 2002: 1
Rafapicobia brotogeris (Fain, Bochkov et Mironov): Skoracki, Sikora & Spicer, 2016: 73
 Type locality: Upper Amazonia (Zoo of Antwerp)
 Distribution: Brazil
 Host: *Brotogeris jugularis cyanopterus* (Psittaciformes: Psittacidae)

Rafapicobia copsychnus Skoracki, OConnor et Goodman
Rafapicobia copsychnus Skoracki, OConnor & Goodman, 2016: 1536
 Type locality: Tulear Province, Fivondronana de Tolagnaro, Forêt de Marovony, 19 km NE Manantenina (~24°06'S, 47°22'E)
 Distribution: Madagascar
 Host: *Copsychnus albospecularis* (Passeriformes: Turdidae)

Rafapicobia dendrocolaptes Skoracki et Solarczyk
Rafapicobia dendrocolaptes Skoracki & Solarczyk, 2012: 60
 Type locality: Paraguay, Apa-Bergland
 Distribution: Argentina, Paraguay
 Hosts: *Dendrocolaptes platyrostris*, *D. picumnus* (Passeriformes: Furnariidae)

Rafapicobia lepidocolaptes Skoracki et Solarczyk

Rafapicobia lepidocolaptes Skoracki & Solarczyk, 2012: 62; Skoracki, Sikora & Spicer, 2016: 78

Type locality: Ecuador, Guale

Distribution: Colombia, Ecuador, Venezuela

Hosts: *Lepidocolaptes affinis*, *L. souleyetii* (Passeriformes: Furnariidae)

Rafapicobia melzeri Skoracki, Unsoeld, Skorupski et Kavetska

Rafapicobia melzeri Skoracki, Unsoeld, Skorupski & Kavetska, 2014: 228; Skoracki, Sikora & Spicer, 2016: 79

Type locality: Germany, Bayern, Ismaninger Lake

Distribution: Chile, France, Germany, Japan, Kirghizia

Hosts: *Pardirallus sanguinolentus*, *Porzana fusca*, *P. parva*, *P. porzana*, *Rallus aquaticus* (Gruiformes: Rallidae)

Rafapicobia milenskyi Glowska et Schmidt

Rafapicobia milenskyi Glowska & Schmidt, 2014: 198

Type locality: Upper Takutu-Upper Essequibo, Lower Rewa River

Distribution: Guyana

Host: *Conopophaga aurita* (Passeriformes: Conopophagidae)

Rafapicobia momoti Skoracki, Hromada et Sikora

Rafapicobia momoti Skoracki, Hromada & Sikora, 2020: 171

Type locality: Brazil

Distribution: Brazil

Host: *Baryphthengus ruficapillus* (Coraciiformes: Momotidae)

Rafapicobia olszanowskii Skoracki, Zmudzinski et Sikora

Rafapicobia olszanowskii Skoracki, Zmudzinski & Sikora, 2020: 449

Type locality: Ecuador

Distribution: Ecuador

Host: *Semnornis ramphastinus* (Piciformes: Semnornithidae)

Rafapicobia ramphastos (Fain, Bochkov and Mironov)

Picobia ramphastos Fain, Bochkov & Mironov, 2000: 33; Skoracki, Bochkov & Wauthy, 2004: 163

Rafapicobia ramphastos (Fain, Bochkov and Mironov): Skoracki, Sikora & Spicer, 2016: 73

Type locality: Guatemala (Zoo of Antwerp)

Distribution: Brazil, Guatemala

Hosts: *Ramphastos sulfuratus*, *R. vietellinus* (Piciformes: Ramphastidae)

Rafapicobia thamnophili Glowska et Schmidt*Rafapicobia thamnophili* Glowska & Schmidt, 2014: 196

Type locality: Guyana, Cuyuni Mazarini, Paruima, ca.19 km N, at Mt. Holitipu

Distribution: Guyana

Hosts: *Hypocnemis cantator*, *Myrmeciza ferruginea*, *Myrmoborus leucophrys*, *Myrmotherula longipennis*, *Thamnophilus insignis* (Passeriformes: Thamnophilidae)**Rafapicobia toxostoma** Sikora, Fajfer et Skoracki*Rafapicobia toxostoma* Sikora, Fajfer & Skoracki, 2012: 30

Type locality: USA

Distribution: USA

Host: *Toxostoma curvirostre* (Passeriformes: Mimidae)**Rafapicobia zirnitra** Skoracki*Rafapicobia zirnitra* Skoracki, 2011: 392; Skoracki, Sikora & Spicer, 2016: 77

Type locality: Zachodniopomorskie, near Swinoujscie

Distribution: China, Japan, Poland

Hosts: *Ficedula hypoleuca*, *Luscinia akahige*, *L. cyanura*, *L. sibilans*, *Phoenicurus auroreus*, *Saxicola rubetra* (Passeriformes: Muscicapidae)Genus **Tanopicobia** Skoracki, Sikora, Jerzak et Hromada*Tanopicobia* Skoracki, Sikora, Jerzak & Hromada, 2020: 4Type species: *Tanopicobia trachyphoni* Skoracki, Sikora, Jerzak et Hromada, 2020**Tanopicobia trachyphoni** Skoracki, Sikora, Jerzak et Hromada*Tanopicobia trachyphoni* Skoracki, Sikora, Jerzak & Hromada, 2020: 4

Type locality: Arusha

Distribution: Tanzania

Host: *Trachyphonus erythrocephalus* (Piciformes: Lybiidae)**Index of Syringophilidae**(Names in bold are accepted as **valid**)*acanthizus*, *Neosyringophilopsis* 348*accipitridicus*, *Peristerophila* 351*acrocephali*, *Syringophilopsis* 367*aegithali*, *Neosyringophilopsis* 348*aegithali*, *Syringophilopsis* 348*aegithalos*, *Neoaulonastus* 344*afroanthreptes*, *Aulobia* 324*agapornis*, *Neoaulobia* 342*agelaius*, *Syringophiloidus* 359*albicollisi*, *Syringophilopsis* 367*albus*, *Aulonastus* 326*aldwelles*, *Meitingsunes* 340

alectoris, *Columbiphilus* 382
alectoris, *Picobia* 382
alpha, *Corvitorotrogus* 334
aluconis, *Bubophilus* 331
amazilia, *Syringophiloidus* 359
amazonae, *Psittaciphilus* 355
annae, *Stibarokris* 357
anoa, *Philoxanthornia* 354
anthi, *Neopicobia* 385
anthi, *Picobia* 385
anthi, *Syringophilus* 385
anthreptes, *Aulobia* 324
anthus, *Aulonastus* 326
apalis, *Neoaulonastus* 344
aphelocoma, *Torotrogla* 377
Apodisyngiana 322
Apodisyngophilus 323
apricaria, *Charadriineopicobia* 381
apus, *Syringophiloidus* 359
aquilus, *Megasyngophilus* 338
aratingae, *Neoaulobia* 343
ariconte, *Tinamiphilopsis* 377
artamus, *Syringophiloidus* 359
ascalaphus, *Bubophilus* 331
Ascetomylla 323
asiobius, *Bubophilus* 331
atheneus, *Neobubophilus* 347
auduboni, *Syringophiloidus* 360
Aulobia 324
Aulonastus 326
automoli, *Rafapicobia* 397
baltoda, *Selenonycha* 356
Betasyngophiloidus 328
bartrami, *Syringophilopsis* 367
bernieriarum, *Picobia* 388
biarmicus, *Picobia* 388
bisetatus, *Neoaulonastus* 344
bisetatus, *Syringophilus* 344
bipectinatus, *Syringophilus* 376
blaszaki, *Syringophilopsis* 367
Blaszakia 330
bochkovi, *Galliphilopsis* 336

bochkovi, *Syringophilopsis* 367
Bochkovia 330
bombycillae, *Syringophiloidus* 360
bonariensis, *Syringophilopsis* 368
borini, *Syringophilopsis* 368
brachypteraci, *Rafapicobia* 397
branta, *Chenophila* 332
brevisetosus, *Stibarocris* 357
brotogeri, *Picobia* 397
brotogeri, *Rafapicobia* 397
brotogeri, *Picobia* 397
Bubophilus 330
bucerotidus, *Syringophiloidus* 360
bulwerius, *Procellariisyringophilus* 355
bulwerius, *Syringonomus* 355
buszekae, *Aulonastus* 337
buszekae, *Krantziaulonastus* 337
cacatua, *Megasyngophilus* 338
cacatua, *Neoaulobia* 343
Calamincola 381
calcarius, *Torotrogla* 377
calidridis, *Niglarobia* 350
calidridis, *Paraniglarobia* 350
calidris, *Charadriineopicobia* 381
caligatus, *Neoaulonastus* 344
calyptorhyncha, *Lawrencipicobia* 384
caprimulgus, *Meitingsunes* 340
cardinalis, *Neopicobia* 385
cardinalis, *Picobia* 385
cardinalis, *Torotrogla* 378
cardueli, *Aulobia* 324
cardueli, *Torotrogla* 378
carolae, *Syringophiloidus* 360
carpodaci, *Syringophiloidus* 360
carpodacus, *Neopicobia* 385
carpodacus, *Picobia* 385
casmerodia, *Trypetoptila* 381
Castosyringophilus 351
catesbyi, *Syringophilopsis* 368
caudati, *Picobia* 388
certhiae, *Syringophilopsis* 368
cetti, *Picobia* 388

- chalcophaps*, *Meitingsunes* 340
Charadriaulobia 331
charadriiformicus, *Selenonycha* 357
Charadriineopicobia 381
Charadriphilus 331
Chenophila 332
chirovi, *Cuculisyringophilus* 335
chirovi, *Niglarobia* 335
chloris, *Picobia* 389
chrysocolaptes, *Neoaulonastus* 345
cichladusa, *Picobia* 389
Ciconichenophilus 357
cincli, *Syringophiloidus* 360
cinnyris, *Neoaulonastus* 345
cissa, *Picobia* 389
cisticolae, *Aulobia* 324
claravis, *Castosyringophilus* 351
claravis, *Gunabopicobia* 383
claravis, *Peristerophila* 351
clarki, *Philoxanthornea* 354
clarki, *Philoxanthornia* 354
coccothraustes, *Syringophiloidus* 361
coccothraustes, *Torotrogla* 378
colinastes, *Kalamotrypetes* 337
Colinophilus 333
colinus, *Galliphilopsis* 336
Colisyringophilus 333
collocalius, *Apodisyringophilus* 323
columba, *Peristerophila* 351
columbae, *Peristerophila* 351
columbae, *Syringophilus* 351
columbicus, *Meitingsunes* 340
Columbiphilus 382
copsychus, *Rafapicobia* 397
coraciidus, *Peristerophila* 352
corcoracus, *Picobia* 389
corvinae, *Syringophilopsis* 368
Corvitorotrogla 334
coturnae, *Mironovia* 341
cracidus, *Kalamotrypetes* 337
Creagonycha 334
crotophaginus, *Cuculisyringophilus* 335
Crotophagisyringophilus 335
Cuculiphilinae 381
Cuculiphilus 381
Cuculisyringophilus 335
cunicularius, *Neobubophilus* 347
currucae, *Picobia* 389
cursoriae, *Niglarobia* 349
cynocephala, *Megasyringophilus* 339
cyanocitta, *Torotrogla* 378
cypsiuri, *Syringophiloidus* 361
daberti, *Syringophiloidus* 361
dalmas, *Megasyringophilus* 339
dastychi, *Stibarokris* 357
davidi, *Syringophilopsis* 368
delichonum, *Syringophiloidus* 361
dendrocittae, *Syringophiloidus* 361
dendrocolaptes, *Rafapicobia* 397
dendroicae, *Aulobia* 324
dendroicae, *Syringophilus* 324
dendroicae, *Syringophilopsis* 369
dendroicus, *Aulobia* 324
dicruri, *Syringophilopsis* 369
dinemellia, *Picobia* 389
Dissonus 344
dryobates, *Picobia* 390
dryobatis, *Picobia* 390
dryobatis, *Syringophilus* 390
dubinini, *Krantziaulonastus* 338
dubinini, *Megasyringophilus* 339
dubinini, *Philoxanthornea* 354
dubinini, *Philoxanthornia* 354
dziabaszewskii, *Picobia* 390
ea, *Neopicobia* 386
echo, *Picobia* 390
elegans, *Tinamiphilopsis* 377
elongatus, *Syringophilopsis* 369
elongatus, *Syringophilus* 369
emberizae, *Syringophilopsis* 369
emberizae, *Betasyringophilus* 329
emberizae, *Torotrogla* 378
emberizicus, *Aulonastus* 326
empidonax, *Syringophilopsis* 369

- eos*, *Megasyringophilus* 339
epthianura, *Neopicobia* 386
epthianura, *Picobia* 386
eremophila, *Picobia* 390
ereuneti, *Niglarobia* 349
erythroptera, *Aulobia* 325
erythrurus, *Syringophiloidus* 361
estrildus, *Syringophiloidus* 361
euphagus, *Aulonastus* 326
faini, *Syringophilopsis* 369
falcophila, *Peristerophila* 352
forpi, *Castosyringophilus* 352
forpi, *Peristerophila* 352
francolinus, *Galliphilopsis* 336
freya, *Neopicobia* 386
fringilla, *Syringophilopsis* 370
fringillae, *Syringophilopsis* 370
fringillae, *Syringophilus* 370
fringillus, *Aulonastus* 326
fritschi, *Psittaciphilus* 356
Fritschisyringophilus 335
fulicarius, *Phalarophilus* 354
furthi, *Syringophiloidus* 362
galbulicus, *Aulonastus* 338
galbulicus, *Krantziaulonastus* 338
galerida, *Picobia* 391
Galliphilopsis 336
gallinago, *Aulobia* 331
gallinago, *Charadriaulobia* 331
gallinago, *Charadriphilus* 331
gallinula, *Ascetomylla* 323
garrulaxi, *Neosyringophilopsis* 348
garrulaxi, *Syringophilopsis* 348
garrulus, *Syringophilopsis* 370
gaudi, *Torotroglia* 378
gelochelidoni, *Kethleyana* 337
geoffroyus, *Megasyringophilus* 339
geopelis, *Peristerophila* 352
geotrygoni, *Gunabopicobia* 383
geotrygonus, *Terratosyringophilus* 376
geronticus, *Stibarokris* 358
glandarii, *Syringophiloidus* 362
glandarii, *Syringophilus* 362
glandarii, *Syringophilus minor* 362
glossopsitta, *Neopicobia* 395
glossopsitta, *Picobia* 395
glossopsitta, *Pipicobia* 395
graculae, *Syringophiloidus* 362
granatina, *Neoaulonastus* 345
grewlingi, *Neoaulonastus* 345
Gunabopicobia 383
hapaloptila, *Pseudopicobia* 396
haszprunari, *Apodisyringiana* 323
heeri, *Picobia* 391
heeri, *Syringophilus* 391
helleri, *Niglarobia* 350
helleri, *Syringophilus* 350
helleri, *Picobia* 391
henicorhina, *Aulonastus* 327
hepburni, *Neopicobia* 386
herbicola, *Neopicobia* 386
hirundapi, *Apodisyringiana* 323
hirundinis, *Syringophiloidus* 362
hirundus, *Syringophilopsis* 370
hunanensis, *Syringophilopsis* 370
hydrobates, *Stibarokris* 358
hylocichla, *Syringophilopsis* 375
hylocichlae, *Picobia*
hylocichlae, *Syringophilopsis* 375
hylocichlae, *Syringophilus* 374
icteri, *Syringophilopsis* 370
ictericus, *Neopicobia* 386
ictericus, *Picobia* 387
icteridae, *Syringophilus* 369
idunae, *Syringophilopsis* 371
illadopsae, *Picobia* 391
indonesiana, *Picobia* 391
insperata, *Selenonycha* 397
io, *Crotophagisyringophilus* 335
Ixobrychiphilus 336
jackowiaki, *Syringophiloidus* 362
Kalamotrypetes 337
kanduli, *Chenophila* 333
kazmierski, *Syringophilopsis* 371

- Kethleyana* 337
kethleyi, *Megasyringophilus* 339
khushalkhani, *Columbiphilus* 382
khushalkhani, *Picobia* 382
kirgizorum, *Syringophilopsis* 371
klimovi, *Syringophiloidus* 362
krafti, *Neoaulobia* 343
Krantziaulonastus 337
kratos, *Picisyringophilus* 355
kristini, *Syringophilopsis* 371
lagonostictus, *Syringophilopsis* 371
lagopus, *Mironovia* 342
lamprotornis, *Picobia* 391
langei, *Stibarokris* 358
lanius, *Aulonastus* 327
lapponica, *Niglarobia* 350
lara, *Creagonycha* 334
lathami, *Gunabopicobia* 383
lature, *Peristerophila* 352
Lawrencipicobia 384
lemi, *Picobia* 392
lepidocolaptesi, *Rafapicobia* 398
leucomela, *Peristerophila* 353
leptotila, *Gunabopicobia* 384
leucophaeus, *Charadriineopicobia* 382
leucophaeus, *Picobia* 382
leucostictus, *Aulobia* 325
Lobatinae 381
lobatus, *Calamincola* 381
lobatus, *Cuculiphilus* 381
locustella, *Neopicobia* 396
locustella, *Picobia* 396
locustella, *Pipicobia* 396
locustellus, *Neosyringophilopsis* 348
locustellus, *Syringophilopsis* 348
lonchura, *Picobia* 392
lonchurae, *Picobia* 392
lonchurae, *Fritschisyringophilus* 335
lonchurae, *Neosyringophilopsis* 348
lonchurus, *Krantziaulonastus* 345
lonchurus, *Neosyringophilopsis* 348
lonchurus, *Neoaulonastus* 345
longisoma, *Peristerophila* 376
longisoma, *Terratosyringophilus* 376
lophurus, *Galliphilopsis* 336
loricinus, *Terratosyringophilus* 376
loxius, *Aulonastus* 327
lullulae, *Torotrogla* 379
luscinae, *Aulonastus* 327
luscinae, *Torotrogla* 379
lybidus, *Neosyringophilopsis* 349
lyudmilae, *Charadriphilus* 332
magellani, *Picobia* 392
makoli, *Picobia* 392
malaconotus, *Neoaulonastus* 345
malacoptila, *Pseudopicobia* 396
mariasi, *Stibarokris* 358
marmaronetta, *Chenophila* 333
masalaje, *Gunabopicobia* 384
Megasyringophilus 338
Meitingsunes 340
melittophagi, *Syringophilopsis* 371
melzeri, *Rafapicobia* 398
mentalis, *Picobia* 392
meropis, *Castosyringophilus* 353
meropis, *Peristerophila* 353
meru, *Picobia* 392
merulae, *Torotrogla* 379
metropelia, *Gunabopicobia* 384
mexicana, *Neoaulobia* 343
microcerculus, *Syringophiloidus* 363
milenskyi, *Rafapicobia* 398
mima, *Torotrogla* 379
mimidus, *Syringophilopsis* 372
minor, *Syringophiloidus* 363
minor, *Syringophilus* 363
mironovi, *Neoaulobia* 343
Mironovia 341
modularis, *Neopicobia* 387
modularis, *Picobia* 387
modularis, *Torotrogla* 379
molothrus, *Syringophiloidus* 363
momoti, *Rafapicobia* 398
montanus, *Psittaciphilus* 356

- montanus*, *Syringophiloidus* 363
motacillae, *Betasyringophiloidus* 329
motacillae, *Syringophiloidus* 329
mucuya, *Castosyringophilus* 353
mucuya, *Peristerophila* 353
muscapus, *Syringophilopsis* 372
myiopagi, *Picobia* 392
myrmecocichla, *Picobia* 393
mystaceae, *Apodisyringiana* 323
nanseni, *Chenophila* 333
nectariniae, *Aulobia* 325
nectariniae, *Syringophiloidus* 363
nectariniphilus, *Aulonastus* 327
Neoaulobia 342
Neoaulonastus 344
Neobubophilus 347
neomixis, *Picobia* 393
Neoperisterophila 347
Neopicobia 385
Neosyringophilopsis 348
nestoriae, *Peristerophila* 353
Niglarobia 349
nitens, *Syringophilopsis* 372
nkaii, *Syringophiloidus* 363
nonnula, *Pseudopicobia* 396
numidae, *Syringophilus* 376
nucifragus, *Syringophilopsis* 372
ochoi, *Picobia* 393
odontophoridus, *Columbiphilus* 383
olszanowskii, *Rafapicobia* 398
oritis, *Picobia* 393
oriolus, *Syringophiloidus* 364
oryzivorus, *Neoaulonastus* 346
oryzivorus, *Krantziaulonastus* 346
otididus, *Pteroclidisyringophilus* 356
paenae, *Torotroglia* 379
paludicola, *Picobia* 393
paraguaiae, *Aulobia* 332
paraguaiae, *Charadriphilus* 332
Paraniglarobia 350
parapresentalis, *Syringophiloidus* 364
pari, *Neopicobia* 387
pari, *Syringophilopsis* 372
paridus, *Aulonastus* 327
passeri, *Picobia* 393
passericus, *Syringophilopsis* 372
passerina, *Syringophilopsis* 373
passerinae, *Syringophilopsis* 373
passerinae, *Syringophilus* 373
patagioenas, *Psittaciphilus* 356
pavodaptes, *Kalamotrypates* 342
pavodaptes, *Mironovia* 342
Peristerophila 351
petronicus, *Syringophiloidus* 364
Stibarokris 358
Phalarophilus 354
phalaropi, *Bochkovia* 330
phasiani, *Mironovia* 342
philemonis, *Syringophilopsis* 373
philomelosus, *Syringophiloidus* 364
Philoxanthornea 354 (misspelling)
Philoxanthornia 354
Phipicobia 388
phoeniconaias, *Ciconichenophilus* 358
phoeniconaias, *Stibarokris* 358
phoeniculi, *Picobia* 394
phoenicuri, *Picobia* 394
phoenicurus, *Betasyringophilus* 329
phylloscopi, *Neosyringophilopsis* 349
phylloscopi, *Syringophilopsis* 349
picidus, *Neoaulonastus* 346
picidus, *Syringophiloidus* 364
Picineoaulonastus 354
Picisyringophilus 355
Picobia 388
Picobiinae 381
pioni, *Terratosyringophilus* 377
Pipicobia 395
pipili, *Aulonastus* 327
piranga, *Torotroglia* 380
pirangus, *Aulonastus* 328
plataleus, *Stibarokris*
platyrhynchus, *Chenophila* 333
passerina, *Syringophilopsis* 373

- passerinae*, *Syringophilopsis* 373
passerinae, *Syringophilus* 373
platycercus, *Megasyringophilus* 339
platyrhynchus, *Chenophila* 333
plocei, *Syringophiloidus* 364
ploceus, *Picobia* 394
pogoniulus, *Picineoaulonastus* 355
poicephali, *Lawrencipicobia* 385
poicephali, *Picobia* 385
polioptilus, *Syringophilopsis* 373
polonica, *Columbiphilus* 382
polonica, *Picobia* 382
porzanae, *Ascetomylla* 323
porzanae, *Syringophilopsis* 323
presentalis, *Syringophiloidus* 365
prionops, *Neoaulonastus* 346
Procelariisyringophilus 355
prunellae, *Aulonastus* 328
psaltriparus, *Picobia* 394
pseudonigritae, *Syringophiloidus* 365
Pseudopicobia 396
Psittaciphilus 355
psittaculae, *Neoaulobia* 343
pteroclesi, *Columbiphilus* 383
pteroclesi, *Picobia* 383
Pteroclidisyringophilus 356
pteroptochos, *Aulonastus* 328
ptilinopus, *Meitingsunes* 341
puylaerti, *Aulobia* 343
puylaerti, *Neoaulobia* 343
pycnonoti, *Picobia* 394
pycnonotus, *Torotroglia* 380
pygiptilae, *Phypicobia* 387
pyrrholaemus, *Picobia* 396
pyrrholaemus, *Pipicobia* 396
pyrrholaemus, *Neopicobia* 396
quelea, *Neoaulonastus* 346
quetzali, *Syringophiloidus* 365
Rafapicobia 397
ralli, *Charadriophilus* 332
ramphastos, *Rafapicobia* 398
ramphastos, *Picobia* 398
re, *Charadriophilus* 356
re, *Pteroclidisyringophilus* 356
regiusi, *Neoperisterophila* 347
reichholzi, *Terratosyringophilus* 377
remizus, *Neoaulonastus* 346
rhinoptili, *Niglarobia* 350
rhynchopsittae, *Megasyringophilus* 340
riparius, *Neoaulonastus* 346
riparius, *Picobia* 394
ristowi, *Charadriineopicobia* 382
rossae, *Blaszakia* 330
rouloul, *Mironovia* 342
rubeculi, *Torotroglia* 380
rusticus, *Syringophilopsis* 373
saxicolus, *Betasyringophilus* 329
sayornis, *Picobia* 395
schmidti, *Picobia* 395
schoeniclus, *Betasyringophiloidus* 329
schoeniclus, *Syringophiloidus* 329
schoeniclusi, *Syringophiloidus* 329
scirpaceus, *Dissonus* 344
scirpaceus, *Neoaulonastus* 344
seiuri, *Betasyringophiloidus* 329
seiuri, *Syringophilus* 329
seiuri, *Syringophiloidus* 329
seiurus, *Syringophiloidus* 329
Selenonycha 356
serini, *Syringophiloidus* 365
sialiae, *Syringophilopsis* 373
sialius, *Syringophiloidus* 365
sidorchukae, *Neoaulonastus* 346
similis, *Aulonastus* 328
sittae, *Syringophilopsis* 373
skorackii, *Niglarobia* 350
skorackii, *Paraniglarobia* 351
spinolettus, *Syringophilopsis* 374
sporophila, *Syringophiloidus* 365
stachyris, *Aulobia* 325
stachyris, *Syringophilopsis* 325
stawarczyki, *Syringophiloidus* 366
sternae, *Creagonycha* 334
Stibarokris 357

- sturnellus*, *Aulonastus* 328
sturnellus, *Syringophilopsis* 374
sturni, *Syringophilopsis* 374
sturni, *Picobia* 395
sulphurea, *Lawrencipicobia* 385
sylviae, *Aulobia* 325
sylviettae, *Aulobia* 325
sylvietta, *Syringophilopsis* 325
sylviettae, *Syringophilopsis* 325
synallaxis, *Torotroglia* 380
Syringonomus 355
Syringophilidae 322
Syringophilinae 322
Syringophiloidus 359
Syringophilopsis 367
Syringophilus 375
szeffleri, *Syringophilopsis* 374
szeptyckii, *Galliphilopsis* 336
Tanopicobia 399
tanzanicus, *Colisyringophilus* 334
tanzanicus, *Neoaulonastus* 347
tarni, *Syringophiloidus* 366
tarnii, *Syringophiloidus* 366
tauracos, *Blaszakia* 330
teledromas, *Syringophiloidus* 366
terpsiphoni, *Pipicobia* 396
Terratosyringophilus 376
thamnophili, *Rafapicobia* 399
theristicus, *Stibarokris* 359
thryothorus, *Syringophiloidus* 366
Tinamiphilopsis 377
Torotroglia 377
totani, *Creagonycha* 334
totani, *Syringophilus* 334
toxostoma, *Rafapicobia* 399
trachyphoni, *Tanopicobia* 399
trichoglossus, *Megasyringophilus* 340
troglydytes, *Neopicobia* 387
troglydytes, *Picobia* 387
troglydytidus, *Picobia* 395
troglydytis, *Neosyringophilopsis* 349
troglydytis, *Syringophilopsis* 349
troglydytis, *Syringophilus* 349
trogoni, *Syringophilopsis* 374
trouessarti, *Niglarobia* 350
trouessarti, *Syringophilus* 350
Trypetoptila 380
turacoensis, *Meitingsunes* 341
turdi, *Syringophilopsis* 374
turdi, *Syringophilus* 374
turdus, *Syringophilopsis* 374
tympanistria, *Meitingsunes* 341
tympanistria, *Peristerophila* 341
tyrrani, *Syringophilopsis* 375
tytonus, *Bubophilus* 331
upupi, *Peristerophila* 353
vanelli, *Charadriaulobia* 332
vanelli, *Charadriphilus* 332
vanelli, *Niglarobia* 350
veselovsky, *Syringophilopsis* 375
villosa, *Picobia* 380
villosa, *Torotroglia* 380
villosus, *Syringophilus* 380
virens, *Aulobia* 326
volgini, *Torotroglia* 380
wallacei, *Ixobrychiphilus* 337
weiszii, *Syringophiloidus* 366
wilsoni, *Colinophilus* 333
wilsoni, *Syringophilopsis* 375
xanthocephalus, *Syringophiloidus* 366
yosefi, *Syringophilopsis* 375
yoyomi, *Krantziaulonastus* 338
zenadoura, *Peristerophila* 341
zenaidurae, *Meitingsunes* 341
zenaidurae, *Peristerophila* 341
zenadoura, *Syringophilus* 341
zirnitra, *Rafapicobia* 399
zonotrichia, *Syringophiloidus* 366
zosterops, *Neoaulonastus* 347
zumpti, *Gunabopicobia* 384
zumpti, *Neopicobia* 384
zumpti, *Picobia* 384
zumpti, *Syringophilus* 384

Distribution of Syringophilidae

EUROPE

- Austria** (Skoracki, Zmudzinski, Unsoeld & Sikora, 2016) – *Stibarokris plataleus*
- Azerbaijan** (Amirhanov, 1970, 1973) – *Syringophiloidus minor*, *Syringophilus bipectinatus*
- Belarus** (Bochkov, 2000; Skoracki, 2011) – *Syringophilus bipectinatus*
- Belgium** (Bochkov, Fain & Skoracki, 2004; Skoracki, Sikora & Spicer, 2016) – *Columbiphilus khushalkhani*, *Mironovia coturnae*
- Bosnia and Herzegovina** (Skoracki, 2011; Skoracki, Sikora & Spicer, 2016; Skoracki, Hromada & Sikora, 2017) – *Peristerophila meropis*, *Picobia dryobatis*, *Syringophiloidus minor*
- Croatia** (Skoracki, 2011) – *Aulobia sylviae*, *Syringophiloidus minor*
- Denmark** (Skoracki, 2011) – *Syringophiloidus hirundinis*
- Finland** (Skoracki, 2004d; 2011) – *Torotroglia calcarius*, *T. cardueli*
- France** (Oudemans, 1904, 1906; Bochkov & Mironov, 199[8]9; Bochkov, Mironov & Skoracki, 2001; Skoracki, 2011; Skoracki & Sikora, 2011; Skoracki et al., 2014; Zmudzinski et al., 2015; Skoracki, Sikora & Spicer, 2016; Skoracki, Spicer & OConnor, 2016) – *Aulobia sylviae*, *Charadriineopicobia apricaria*, *Charadriphilus gallinago*, *Columbiphilus alectoris*, *Creagonycha totani*, *Megasyringophilus aquilus*, *Neosyringophilopsis phylloscopi*, *Niglarobia helleri*, *Peristerophila accipitridicus*, *Rafapicobia melzeri*, *Syringophiloidus minor*, *S. presentalis*
- Corsica** (Skoracki, 2011; Skoracki, Hromada & Sikora, 2017) – *Peristerophila meropis*, *Syringophilus bipectinatus*
- Germany** (Heller, 1880; Fritsch, 1958; Skoracki, 2011; Skoracki et al., 2014; Zmudzinski et al., 2015; Skoracki et al., 2018; Zmudzinski & Unsoeld, 2019; Kaszewska et al., 2020) – *Aulobia cardui*, *Aulonastus fragilis*, *Bubophilus asiobius*, *Charadriineopicobia ristowi*, *Columbiphilus khushalkhani*, *Neoaulonastus bisetatus*, *N. picidus*, *Neosyringophilopsis trogloditis*, *Neopicobia anthi*, *Niglarobia lapponica*, *N. vanelli*, *Picobia caudati*, *P. dryobatis*, *P. heeri*, *Peristerophila accipitridicus*, *P. columbae*, *P. falcophila*, *Rafapicobia melzeri*, *Selenonycha charadriiformes*, *Stibarokris dastychi*, *Syringophiloidus coccothraustes*, *S. glandarii*, *S. klimovi*, *S. minor*, *S. parapresentalis*, *S. picidus*, *S. weiszii*, *Syringophilopsis fringillae*, *S. garrulus*, *S. kazmierski*, *S. kirgizorum*, *S. troglodytis*, *S. turdi*, *Syringophilus bipectinatus*, *Torotroglia cardueli*, *T. merulae*
- Gibraltar** (Skoracki, Hromada & Sikora, 2017) – *Peristerophila meropis*
- Great Britain** (Kethley, 1970; Nattress & Skoracki, 2007, 2009; Kaszewska et al., 2020) – *Bubophilus aluconis*, *Neosyringophilopsis aegithali*, *N. troglodytis*, *Picobia dryobatis*, *Peristerophila columbae*, *Syringophiloidus minor*, *Syringophilopsis fringillae*, *S. hirundus*, *S. kirgizorum*, *Torotroglia modularis*

- Greece** (Skoracki, Hromada & Sikora, 2017; Kaszewska et al., 2020) – *Peristerophila columbae*, *C. meropis*, *Procellariisyringophilus bulwerius*
- Hungary** (Kaszewska et al., 2020) – *Peristerophila columbae*
- Iceland** (Bochkov & Skirnisson, 2011) – *Mironovia lagopus*
- Italy** (contin.)(Skoracki, Möller & Tryjanowski, 2003; Skoracki, 2004, 2011) – *Syringophiloidus hirundinis*, *S. petronicus*, *Torotroglaluscini*
- Sardinia** (Skoracki, Hromada & Sikora, 2017) – *Peristerophila meropis*
- Sicily** (Skoracki & Sikora, 2011) – *Galliphilopsis szeptyckii* [recorded as «bochkovi»]
- Malta** (Zmudzinski, Solarczyk & Skoracki, 2016) – *Stibarokris hydrobates*
- Moldavia** (Bochkov & Mironov, 1999) – *Picobia dryobatis*, *P. sturni*
- Monaco** (Kaszewska et al., 2020) – *Peristerophila mucuya*
- North Macedonia** (Skoracki, Sikora & Spicer, 2016: 62; Skoracki, Hromada & Sikora, 2017; Kaszewska et al., 2020) – *Peristerophila columbae*, *Picobia phoeniculi*, *Peristerophila meropis*
- Norway** (Bochkov & Skirnisson, 2011; Skoracki & Sikora, 2011) – *Mironovia lagopus*
- Svalbard** (Skoracki & Zawierucha, 2016) – *Chenophila nanseni*
- Poland** (Skoracki, 1999a, 1999b, 2002, 2004a, c, d, 2011; Skoracki & Skoracka, 1999; Skoracki & Dabert, 1999; Skoracki & Magowski, 2001; Skoracki & Bochkov, 2002; Skoracki & Kiljan, 2002; Skoracki & Hebda, 2004; Skoracki, Bochkov & Sikora, 2004; Skoracki, Bochkov & Wauthy, 2004; Skoracki, Dabert & Schmäscke, 2006; Skoracki, Michalik & Sikora, 2010; Skoracki et al., 2012; Skoracki, Sikora & Spicer, 2016) – *Aulobia cardueli*, *A. sylviae*, *Aulonastus albus*, *Betasyringophylus phoenicurus*, *B. saxicolus*, *B. schoeniclus*, *Bubophilus aluconis*, *B. asiobius*, *Charadriophilus gallinago*, *Chenophila platyrhynchos*, *Columbiphilus Columbiphilus khushalkhani* (= *polonica*), *Cregonycha totani*, *Krantziaulonastus buczekae*, *Meitingsunes columbicus*, *Mironovia coturnae*, *Neoaulonastus* [Dissonus] *scirpaceus*, *Neopicobia anthi*, *Neosyringophilopsis aegithali*, *N. locustellus*, *N. phylloscopi*, *N. troglodytis*, *Niglarobia helleri*, *Neopicobia modularis*, *Peristerophila columbae*, *Philoxanthornea clarki*, *Picobia biarmicus*, *P. caudati*, *P. currucae*, *P. dryobatis*, *P. galerida*, *P. heeri*, *P. paludicola*, *P. riparius*, *P. sturni*, *Pipicobia locustella*, *Selenonycha charadriiformes*, *Stibarokris langei*, *Syringophiloidus bombycillae*, *S. carpodaci*, *S. coccothraustes*, *S. delichonum*, *S. hirundinis*, *S. minor*, *S. parapresentalis*, *S. presentalis*, *Syringophilopsis acrocephali*, *S. blaszaki*, *S. borini*, *S. fringillae*, *S. hirundus*, *S. kazmierski*, *S. kirgizorum*, *S. rusticus*, *S. spinolettus*, *S. sturni*, *S. troglodytis*, *S. turdi*, *Syringophilus bipectinatus*, *Torotroglacardueli*, *T. gaudi*, *T. merulae*, *T. modularis*, *T. rubeculi*
- Portugal** (cont.)
- Madeira** (Kaszewska et al., 2020) – *Peristerophila columbae*
- Romania** (Skoracki, 2011; Skoracki, Hromada & Sikora, 2017; Skoracki, 2018) – *Peristerophila meropis*, *Peristerophila falcophila*, *Syringophilopsis kazmierski*, *S. kristini*, *Torotroglamerulae*

Russia (all, continent.) (Dubinina, 1987; Bochkov, 2000, 2001; Bochkov & Apanaskevich, 2001; Bochkov & Chystiakov, 2001; Bochkov & Mironov, 1998, 1999; Bochkov, Mironov & Skoracki, 2001; Bochkov & Chistyakov, 2001; Skoracki, 2011; Skoracki & Mironov, 2013; Skoracki & Sikora, 2014; Skoracki, Hromada & Sikora, 2017) – *Aulobia cardueli*, *A. galinago*, *A. sylviae*, *Aulonastus prunellae*, *Betasyringophiloidus motacillae*, *B. emberizae*, *B. schoeniclus*, *Peristerophila meropis*, *Charadriophilus lyudmilae*, *Chenophila canduli*, *Krantziaulonastus dubinini*, *Melingsunes columbicus*, *Neoaulonastus zosterops*, *Neosyringophilopsis aegithali*, *Niglarobia vanelli*, *Philoxanthorhea clarki*, *Picobia passeri*, *Selenonycha charadriiformicus*, *Stibarokris langei*, *Syringophiloidus carpodaci*, *S. delichonum*, *S. glandarii*, *S. minor*, *S. presentatus*, *Syringophilopsis blaszaki*, *S. borini*, *S. fringillae*, *S. kirgizorum*, *S. pari*, *S. sittae*, *S. sturmi*, *S. troglodytis*, *S. turdus*, *Syringophilus bipectinatus*, *S. parapresentalis*, *Torotroglia cardueli*, *T. gaudi*, *T. lullulae*, *T. merulae*, *T. rubeculi*, *T. volgini*

Slovakia (Skoracki, Hromada & Kuczynski, 2001; Skoracki, 2002; Skoracki, Tryjanowski & Hromada, 2002; Skoracki, 2011; Klimovičová & Hromada, 2014) – *Aulobia cardueli*, *Aulonastus albus*, *Betasyringophiloidus motacillae*, *B. schoeniclus*, *Neoaulonastus bisetatus*, *N. picidus*, *Neosyringophilopsis aegithali*, *N. phylloscopi*, *Niglarobia helleri*, *Picobia dryobatis*, *P. sturni*, *Syringophiloidus bombycillae*, *S. minor*, *S. montanus*, *S. parapresentalis*, *S. presentalis*, *Syringophilopsis acrocephali*, *S. blaszaki*, *S. fringillae*, *S. kazmierski*, *S. kristini*, *S. spinolettus*, *Torotroglia cardueli*, *T. gaudi*, *T. lullulae*, *T. merulae*, *T. modularis*, *T. rubeculi*

Spain (cont.) (Skoracki, 2011; Zmudzinski et al., 2015; Skoracki, Hromada & Sikora, 2017) – *Peristerophila meropis*, *Megasyringophilus aquilus*, *Syringophiloidus hirundinis*

Canary Isl. (Skoracki, 2004) – *Syringophiloidus erythrurus*

Switzerland (Haller, 1878) – *Picobia heeri*

Turkey (entire) (Bochkov & Mironov, 1998; Skoracki, 2011; Skoracki, Zmudzinski, Unsoeld & Sikora, 2016; Skoracki, Hromada & Sikora, 2017; Zmudzinski, Solarczyk & Skoradski, 2016) – *Peristerophila meropis*, *Chenophila marmaronetta*, *Peristerophila columbae*, *Picobia cetti*, *P. currucae*, *Stibarokris brevisetosus*, *S. phoeniconaias*

Ukraine (Kivganov & Sharafat, 1995; Bochkov, 2000; Skoracki, 2011; Pidhorna et al., 2020) – *Betasyringophiloidus phoenicurus*, *B. saxicolus*, *Creagonycha sterna*, *Kethleyana gelochelidoni*, *Neoaulonastus bisetatus*, *Philoxanthorhea clarki*, *Syringophiloidus hirundinis*, *Syringophilopsis acrocephali*, *S. blaszaki*, *S. fringillae*, *S. hirundus*, *S. kazmierski*, *S. rusticus*, *S. sturni*, *Syringophilus bipectinatus*, *Torotroglia merulae*, *T. rubeculi*

West Europe (Skoracki, 2004) – *Syringophiloidus oriolus*

Europe (Skoracki, 2011) – *Aulobia leucosticta*, *Aulonastus caligatus*, *Syringophilopsis S. idunae*, *S. nucifragus*

AFRICA

Angola (Klimovičová et al., 2014c; Kaszewska et al., 2020) – *Picobia oritis*

- Botswana** (Skoracki & OConnor, 2010; Klimovičova et al., 2014c) – *Picobia oritis*, *Stibarokris phoeniconaias*
- Cameroon** (Skoracki & Dabert, 2002; Skoracki, Tryjanowski & Hromada, 2002; Skoracki & Sikora, 2003; Skoracki, Antczak, Riegert, Fainová & Mikeš, 2009; Skoracki & Hromada, 2013; Skoracki, Unsoeld, Marciniak & Sikora, 2016; Skoracki, Sikora, Marciniak & Zmudzinski, 2016) – *Aulobia cisticolae*, *Bubophilus ascalaphus*, *B. tytonus*, *Lawrencipicobia poicephali*, *Meitingsunes columbicus*, *Neoaulonastus zosterops*, *Picobia oritis*, *Syringophiloidus bucerotidus*, *Syringophilopsis kirgisorum*, *S. veselovsky*, *S. yosefi*, *Syringophilus bipectinatus*
- Congo DR** (Fain, Bochkov & Mironov, 2000; Skoracki & Sikora, 2008; Skoracki et al., 2009; Skoracki, Solarczyk & Sikora, 2012; Skoracki, Sikora, Marciniak & Zmudzinski, 2016; Kaszewska et al., 2020) – *Aulobia cisticolae*, *Blaszakia schalowi*, *Peristerophila columbae*, *Picobia echo*, *Syringophiloidus bucerotidus*, *S. cypsiuri*, *S. minor*, *S. seiuri*
- Egypt** (Skoracki & OConnor, 2010; Skoracki et al., 2006; Skoracki, 2011; Glowska & Laniecka, 2012) – *Columbiphilus pteroclesi*, *Philoxanthorinea dubinini*, *Picobia eremophila*, *Pteroclidisyringophus re*, *Selenonycha charadriiformes*, *Syringophilopsis davidi*
- Ethiopia** (Bochkov & Fain, 2003; Skoracki, 2014; Skoracki, Hromada, Zmudzinski, Unsoeld & Sikora, 2018; Kaszewska et al., 2020) – *Aulonastus nectariniphilus*, *Neoaulobia agapornis*, *Peristerophila claravis*, *Picineoaulonastus pogoniulus*, *Picobia dryobatis*
- Gabon** (Glowska & Schmidt, 2014; Glowska, Broda, Gebhard & Dabert, 2016) – *Pipicobia terpsiphoni*, *Syringophiloidus furthi*, *S. plocei*
- Guinea** (Skoracki & Sikora, 2008) – *Blaszakia tauracos*
- Kenya** (Skoracki, Hromada & Wamiti, 2011; Skoracki & Hromada, 2013; Klimovičova et al., 2014a, 2016; Skoracki et al., 2014; Skoracki, Hromada & Sikora, 2017; Skoracki et al., 2018; Skoracki, Hromada, Pervuznakova & Wamiti, 2019; Kaszewska et al., 2020) – *Aulobia cisticolae*, *A. sylviettae*, *Betasyringophiloidus seiuri*, *Peristerophila columbae*, *P. meropis*, *Neoaulonastus apalis*, *N. bisetatus*, *N. lonchurus*, *N. malaconotus*, *N. oryzivorus*, *N. prionops*, *Neopicobia freya*, *Neosyringophilopsis lybidus*, *Peristerophila columbae*, *P. falcophila*, *P. upupi*, *Picineoaulonastus pogoniulus*, *Picobia dryobatis*, *P. dziabaszewskii*, *P. hedydipnae*, *P. illanopsae*, *P. lamprotornis*, *P. meru*, *P. ploceus*, *P. pycnonoti*, *Syringophiloidus picidus*, *Syringophilopsis dicruri*, *S. veselovsky*
- Liberia** (Klimovičova et al., 2014) – *Neoaulonastus malaconotus*
- Madagascar** (Skoracki, OConnor, Goodman & Marciniak-Musial, 2016; Skoracki, Hromada & Sikora, 2020) – *Neoaulonastus tanzanicus*, *Peristerophila accipitridicus*, *Picobia bernieriarum*, *P. neomixis*, *Pipicobia terpsiphoni*, *Rafapicobia brachypteraci*, *R. copsychnus*
- Morocco** (Kethley, 1970; Skoracki, Sikora & Spicer, 2016; Skoracki, Hromada & Sikora, 2017) – *Peristerophila meropis*, *Picobia sturni*, *Syringophilopsis fringillae*
- Namibia** (Bochkov & Fain, 2003; Skoracki, Dabert & Schmaschke, 2006; Klimovičova et al., 2014; Glowska, Romanowska, Schmidt & Dabert, 2018) – *Neoaulobia agapornis*, *Niglarobia cursoriae*, *Picobia dziabaszewskii*, *Torotroglia paenae*

Rwanda (Fain, Bochkov & Mironov, 2000; Skoracki & Sikora, 2003) – *Aulobia cisticolae*, *Columbiphilus alectoris*, *Syringophilopsis emberizae*, *S. sylviettae*

Somalia (Klimovičova et al., 2014c) – *Neoaulonastus malaconotus*, *Picobia oritis*

South Africa (Lawrence, 1959; Kethley, 1970; Skoracki & Dabert, 2002; Skoracki, Bochkov & Wauthy, 2004; Skoracki, Zmudzinski, Unsoeld & Sikora, 2016; Skoracki, Sikora & Spicer, 2016; Kaszewska et al., 2020) – *Bubophilus ascalaphus*, *Columbiphilus khushalkhani*, *Neopicobia zumpti*, *Galliphilopsis francolinus*, *Peristerophila columbae*, *Picobia oritis*, *Stibarokris geronticus*, *Syringophilus bipectinatus*

Sudan (Kaszewska et al., 2020) – *Peristerophila claravis*

Tanzania (Bochkov & Fain, 2003; Skoracki & Sikora, 2008; Glowska et al., 2012; Skoracki, Solarczyk & Sikora, 2012; Skoracki, Hromada & Unsoeld, 2013; Skoracki & Hromada, 2013; Klimovičova et al., 2014a; Skoracki et al., 2014; Skoracki, Unsoeld, Marciniak & Sikora, 2016; Skoracki, Sikora, Marciniak & Zmudzinski, 2016; Hromada, Klimovičova, Unsöld & Skoracki, 2016; Skoracki, Hromada & Sikora, 2017; Skoracki et al., 2018; Skoracki, Hromada, Zmudzinski, Unsoeld & Sikora, 2018; Skoracki, Sikora, Jerzak & Hromada, 2020; Kaszewska et al., 2020) – *Aulobia afroanthreptes*, *A. nectarinae*, *Aulonastus nectariniphilus*, *A. paridus*, *Blaszakia tauracos*, *Bubophilus aluconis*, *Peristerophila meropis*, *Colisyringophilus tanzanicus*, *Cuculisyringophilus chirovi*, *Neoaulobia agapornis*, *Neoaulonastus cinnyris*, *N. granatina*, *N. quelea*, *N. tanzanicus*, *Neopicobia freya*, *Niglarobia vanelli*, *Peristerophila claravis*, *P. columbae*, *Picineaulonastus pogoniulus*, *Picobia cichladusa*, *P. dinemellia*, *P. dryobatis*, *P. dziabaszewskii*, *P. myrmecocichla*, *P. phoeniculi*, *Syringophiloidus bucerotidus*, *S. pseudonigritae*, *S. picidus*, *Syringophilus nectarinae*, *Tanopicobia trachyphoni*

Togo (Skoracki & Dabert, 1999, 2000, 2001b; Skoracki & Sikora, 2003; Glowska & Skoracki, 2010) – *Aulobia cisticolae*, *A. erythroptera*, *A. virens*, *Creagonycha totani*, *Meitingsunes [Peristerophila] tympanistria*, *Neoaulobia puylaerti*, *Syringophiloidus seiuri*, *Syringophilopsis albicollisi*, *S. lagonostictus*, *S. melittophagi*, *S. nitens*

Tunisia (Skoracki, 2011; Skoracki & Hromada, 2013; Skoracki, Unsoeld & Skorupski, 2014) – *Picobia phoenicuri*, *Pteroclidisyringophilus otididus*

Uganda (Skoracki, 2014; Klimovičova et al., 2014c; Skoracki, Hromada, Pervuznakova & Wamiti, 2019) – *Neoaulonastus lonchurae*, *N. oryzivorus*, *Picobia lonchurae*, *P. oritis*, *Syringophiloidus estrildus*, *S. picidus*

Zambia (Fain, 2000; Klimovičova et al., 2014c) – *Neoaulobia agapornis*, *Picobia dryobatis*, *P. dziabaszewskii*, *P. oritis*

Central Africa (Skoracki & Dabert, 2000; Skoracki, Sikora & Spicer, 2016) – *Columbiphilus khushalkhani*, *Syringophilopsis albicollisi*

Eastern Africa (Skoracki, Sikora & Spicer, 2016) – *Columbiphilus khushalkhani*

Continental Africa (Skoracki, 2008) – *Neosyringophilopsis lonchurus*

ASIA

Afghanistan (Kivganov & Sharafat, 1995) – *Columbiphilus khushalkhani*

- China** (Liu Bai-li, 1988; Sun – undated; Skoracki, 2011; Glowska, Gragun-Damian & Dabert, 2012; Skoracki, Sikora & Spicer, 2016; Skoracki, Zmudzinski & Solarczyk, 2017; Kaszewska et al., 2020) – *Ixobrychophilus wallacei*, *Krantziaulonastus lonchurus*, *Rafapicobia zirnitra*, *Syringophiloidus minor*, *S. oriolus*, *Peristerophila columbae*, *Picobia dziabaszewskii*
- India** (Bochkov & Mironov, 1998; Fain, Bochkov & Mironov, 2000; Bochkov, Fain & Skoracki, 2004; Skoracki & Sikora, 2011; Skoracki, Unsoeld, Marciniak & Sikora, 2016; Skoracki, Sikora & Spicer, 2016) – *Columbiphilus khushalkhani* (= *polonica*), *Fritschisyringophilus lonchurae*, *Neobubophilus atheneus*, *Peristerophila columbae*, *Picobia dryobatis*
- Indonesia** (Skoracki, 2005; Skoracki & Glowska, 2008c; Skoracki & Sikora, 2011; Kaszewska, Kavetska & Skoracki, 2014; Skoracki et al., 2014; Kaszewska, Skoracki & Kavetska, 2016; Hromada, Klimovičova, Unsöld & Skoracki, 2016; Kaszewska, Skoracki & Hromada, 2018; Marciniak, Skoracki & Hromada, 2019; Kaszewska et al., 2020) – *Apodisyringiana haszprunari* [Sumatra], *Cuculisyringophilus chirovi*, *Galliphilopsis szeptyckii*, *Gunabopicobia lathami*, *G. masalaje*, *Lawrencipicobia sulphurea*, *Meitingsunes chalcophaps*, *M. turacoenas*, *Peristerophila geopelis*, *P. lature*, *Picobia echo*, *P. heeri*, *P. mentalis*, *Procellariisyringophilus bulwerius*
- Iran** (Bochkov & Mironov, 1998; Skoracki, 2011; Skoracki, Sikora & Spicer, 2016) – *Peristerophila columbae*, *Picobia dryobatis*
- Japan** (Skoracki, 2004; 2011; Skoracki & Sikora, 2011; Skoracki et al., 2014; Skoracki, Kaszewska & Kavetska, 2015; Skoracki, Sikora & Spicer, 2016; Glowska, Laniecka & Romanowska, 2018; Kaszewska et al., 2020) – *Apodisyringiana hirundapi*, *Columbiphilus khushalkhani*, *Galliphilopsis szeptyckii*, *Krantziaulonastus oryzivorus*, *Peristerophila columbae*, *Picobia dryobatis* *P. heeri*, *P. sturni*, *Rafapicobia zirnitra*, *Syringophiloidus glandarii*, *Syringophilopsis muscicapus*, *Torotroglia emberizae*
- Jordan** (Glowska, Skoracki & Khourly, 2007; Skoracki, 2011) – *Aulobia sylviae*, *Peristerophila columbae*, *P. mucuya*, *Picobia currucae*, *P. pycnonoti*, *Syringophiloidus minor*, *S. parapresentalis*, *S. philomelosus*, *S. presentalis*, *Syringophilopsis kazmierski*, *S. kirgizorum*, *Torotroglia merulae*, *T. pycnonotus*
- Kazakhstan** (Bochkov & Mironov, 1999; Bochkov & Apanaskevich, 2001; Skoracki & Bochkov, 2010; Skoracki, 2011; Skoracki, Sikora & Spicer, 2016) – *Aulobia cardueli*, *A. sylviae*, *Betasyringophylus phoenicurus*, *Charadriphilus ralli*, *Corvitorotroglus alpha*, *Creagonycha totani*, *Megasyringophilopsis aquilus*, *Meitingsunes columbicus*, *Neaulonastus scirpaceus*, *Niglarobia calidridis*, *Paraniglarobia calidridis*, *Peristerophila accipitridicus*, *Picobia phoeniculi*, *Philoxanthorinea dubinini*, *Syringophylus carpodaci*, *S. glandarii*, *S. klimovi*, *S. parapresentalis*, *S. presentalis*, *S. schoeniclusi*, *Syringophilopsis faini*, *S. fringillae*, *S. hirundus*, *S. spinolettus*, *S. sturni*, *S. turdi*
- Kyrgyzstan (Kirghizia)** (Chirov & Kravtsova, 1995; Bochkov & Mironov, 1998; Bochkov, Mironov & Kravtsova, 2000; Bochkov, 2000; Skoracki, 2011; Skoracki et al., 2014, 2016) – *Picobia chloris*, *Charadriphilus ralli*, *Creagonycha totana*, *Cuculisyringophilus*

chirovi, *Mironovia phasiani*, *Picobia dyobatis*, *Rafapicobia melzeri*, *Syringophiloidus minor*, *S. presentalis*, *S. parapresentalis*, *Syringophilopsis kirgizorum*, *S. passericus*, *S. sturni*, *Syringophilus bipectinatus*

Malaysia (Skoracki & Unsoeld, 2014) – *Picobia mentalis*

Mongolia (Skoracky, 2011) – *Betasyringophyloidus phoenicurus*, *Neopicobia modularis*, *Torotroglia modularis*

Nepal (Bochkov, Mironov & Skoracki, 2001; Skoracki, 2011; Skoracki et al., 2014; Skoracki, Unsoeld, Marciniak & Sikora, 2016; Skoracki, Sikora & Spicer, 2016; Skoracki et al., 2018; Kaszewska et al., 2020) – *Aulobia [Syringophilopsis] stachyris*, *Bubophilus ascalaphus*, *Neosyringophilopsis garrulaxi*, *Peristerophila columbae*, *P. falcophila*, *Picobia dryobatis*, *P. echo*, *P. heeri*

Pakistan (Skoracki, Sikora & Spicer, 2016; Skoracki, Hromada & Sikora, 2017) – *Peristerophila meropis*, *Picobia phoeniculi*

Philippines (Skoracky & OConnor, 2010; Skoracki, Sikora & Spicer, 2016) – *Apodisyringophilus collocalius*, *Neoaulonastus chrysocolaptes*, *Picobia pycnonoti*

Sri Lanka (Zmudzinski et al., 2019) – *Neoaulonastus sidorchukae*

Thailand (Skoracki et al., 2014) – *Picobia heeri*

S.E. Asia (Skoracki & Glowska, 2008; Fain, Bochkov & Mironov, 2000) – *Aulobia anthreptes*, *Syringophiloidus graculae*

East Asia (Fain, Bochkov & Mironov, 2000) – *Syringophiloidus dendrocitta*

NORTH AMERICA

Canada (Bochkov & Galloway, 2001, 2004; Skoracki, Flannery & Spicer, 2008, 2009; Zmudzinski et al., 2015; Kaszewska et al., 2020) – *Ascetomylla [Syringophilopsis] porzanae*, *Betasyringophyloidus motacillae*, *Megasyringophilus aquilus*, *Neosyringophilopsis troglodytis*, *Paraniglarobia skorackii*, *Peristerophila columbae*, *Syringophiloidus minor*, *S. seiuri*, *S. zonotrichia*, *Syringophilopsis dendroicae*, *S. elongatus*, *S. icteri*, *S. tyranni*

Mexico (Casto, 1977; Bochkov & Perez, 2002; Bochkov, Fain & Skoracki, 2004; Skoracki, 2008, 2017; Broda, Dabert & Glowska, 2016) – *Aulonastus similis*, *Betasyringophiloidus seiuri*, *Calamincola lobatus*, *Crotophagisyringophilus io*, *Cuculisyringophilus crotophaginus*, *Megasyringophilus kethleyi*, *Neoaulobia mironovi*, *Peristerophila forpi*, *Syringophiloidus amazilia*, *S. daberti*, *Syringophilopsis trogoni*, *S. tyranni*, *Terratosyringophilus pioni*

USA (Hancock, 1895, 1898; Banks, 1907; Ewing, 1911; Hirst, 1920; Rebrassier & Martin, 1932; Hwang, 1959; Brown, 1971; Casto, 1976, 1977, 1978, 1980a, 1980b; Clark, 1964; Kethley, 1970; Philips & Norton, 1978; Bochkov, Williams & Proctor, 2005; Skoracki, Dabert & Schmäschke, 2006; Skoracki, Flannery & Spicer, 2008; Bochkov, Flannery & Spicer, 2009; Skoracki, Hendricks & Spicer, 2010a, b, c; 2011; Glowska & Skoracki, 2010; Skoracky & OConnor, 2010; Bochkov, Skoracki, Hendricks & Spicer, 2011; Skoracki, Bochkov OConnor, 2011; Skoracki, Fajfer & Sikora, 2012; Skoracki, Spicer & OConnor, 2014, 2016; Skoracki, Sikora & Spicer, 2016) – *Aulobia cardueli*,

A. dendroicae, *A. erythroptera*, *Aulonastus emberizicus*, *A. euphagus*, *A. pirangus*, *A. sturnellus*, *Betasyringophylus motacillae*, *B. seiuri*, *Bochkovia phalaropi*, *Bubophilus ascalaphus*, *Calamincola lobatus*, *Peristerophila mucuya*, *Charadriineopicobia leucophaeus*, *Charadriophilus ralli*, *Chenophila branta*, *Ch. canduli*, *Columbophilus khushalkhani*, *Creagonycha lara*, *Kalamotrypetes colinastes*, *Meitingsunes* [*Peristerophila*] *zenaidurae*, *Mironovia* [*Kalamotrypetes*] *pavodaptes*, *Neopicobia cardinalis*, *N. carpodacus*, *N. zumpti*, *Niglarobia ereuneti*, *N. helleri*, *Peristerophila columbae*, *P. mucuya*, *Phalarophilus fulicarius*, *Philoxanthorhea anoa*, *Picisyringophilus kratos*, *Picobia dryobatis*, *P. psaltriparus*, *Rafapicobia toxostoma*, *Selenonycha baltoda*, *Syringophiloidus agelaius*, *S. bombycillae*, *S. carolae*, *S. daberti*, *S. delichonum*, *S. glandarii*, *S. jackowiaki*, *S. minor*, *S. molothrus*, *S. parapresentalis*, *S. presentalis*, *S. sialius*, *S. thryothorus*, *S. weiszii*, *S. xanthocephalus*, *S. zonotrichia*, *Syringophilopsis bartrami*, *S. catesbyi*, *S. certhiae*, *S. elongatus* [= *icteridae*], *S. empidonax*, *S. hylocichlae*, *S. icteri*, *S. mimidus*, *S. passerinae*, *S. polioptilus*, *S. sialiae*, *S. sittae*, *S. sturnellus*, *S. tyranni*, *S. wilsoni*, *Syringophilus bipectinatus*, *Terratosyringophilus longimana*, *Torotroglia aphelocoma*, *T. cardinalis*, *T. coccothraustes*, *T. cyanocitta*, *T. merulae*, *T. mima*, *T. piranga*, *T. villosa*
Hawaiian Is. (Kethley, 1970; Schmid & Skoracki, 2007) – *Procellariisyringophilus bulwerius*

SOUTH and CENTRAL AMERICA

Argentina (Skoracki & Sikora, 2002, 2004a, 2008; Skoracki, 2008a; Skoracki & Glowska, 2008b; Sikora et al., 2011; Skoracki & Solarczyk, 2012; Sikora, Kaszewska & Skoracki, 2014; Kaszewska, Skoracki & Hromada, 2018) – *Charadriophilus paraguayae*, *Crotophagisyringophilus io*, *Gunabopicobia leptotila*, *G. metriopelia*, *Niglarobia helleri*, *Meitingsunes* [*Peristerophila*] *zenaidurae*, *Peristerophila mucuya*, *Picobia* sp., *Rafapicobia dendrocolaptes*, *Syringophiloidus tarni*, *S. teledromas*, *Syringophilopsis turdi*, *Tinamiphilopsis elegans*, *Torotroglia mima*

Bolivia (Skoracki, 2008a; Skoracki & Glowska, 2008) – *Peristerophila claravis*, *Crotophagisyringophilus io*

Brazil (Fain, Bochkov & Mironov, 2000; Bochkov & Fain, 2003; Bochkov, Fain & Skoracki, 2004; Pires & Daemon, 2007; Skoracki & Glowska, 2008b; Skoracki et al., 2010; Sikora et al., 2012; Skoracki, Sikora & Ozminski, 2012; Skoracki et al., 2014; Skoracki et al., 2016; Kaszewska & Skoracki, 2018; Kaszewska et al., 2020) – *Charadriaulobia vanelli*, *Megasyringophilus kethleyi*, *Neoaulobia aratingae*, *Peristerophila mucuya*, *Picobia dryobatis*, *P. ictericus*, *Rafapicobia brotogeris*, *R. ramphastos*, *Psittaciphilus montanus*, *Stibarokris theristicus*, *Syringophiloidus microcerculus*, *Syringophilopsis bonariensis*, *S. tyranni*, *Tinamiphilopsis ariconte*, *Torotroglia synallaxis*

Chile (Sikora, Kaszewska & Skoracki, 2014; Skoracki et al., 2014; Skoracki, Kaszewska & Kavetska, 2015) – *Aulonastus pteroptochos*, *Rafapicobia melzeri*, *Syringophiloidus apus*

Colombia (Fain, Bochkov & Mironov, 2000; Skoracki, 2008; Glowska & Skoracki, 2010; Skoracki & Sikora, 2011; Skoracki, Scibek & Sikora, 2012; Skoracki & Solarczyk, 2012; Skoracki, Kaszewska, Unsoeld & Skorupski, 2015; Hromada, Klimovičova, Unsöld &

- Skoracki, 2016; Kaszewska, Skoracki & Hromada, 2018; Kaszewska & Skoracki, 2018; Skoracki et al., 2018; Kaszewska et al., 2020) – *Calamincola lobatus*, *Columbiphilus odontophoridus*, *Cuculisyringophilus crotophaginus*, *Galliphilopsis colinus*, *Gunabopibia claravis*, *G. geotrygoni*, *Meitingsunes aldwelles*, *M. caprimulgus*, *Peristerophila claravis*, *P. falconis*, *P. mucuya*, *Picobia magellani*, *P. makoli*, *Pseudopicobia malacoptila*, *P. nonnula*, *Psittaciphilus amasonae*, *P. patagioenas*, *Rafapicobia lepidocolaptesi*
- Costa Rica** (Sikora et al., 2012; 2013) – *Henicorhina leucosticta*, *Syringophilopsis trogoni*
- Ecuador** (Sikora et al., 2012; Skoracki & Solarczyk, 2012; Skoracki, Scibek & Sikora, 2012; Skoracki, Mironov & Unsoeld, 2013; Glowska & Laniecka, 2014; Skoracki, Zmudzinski & Sikora, 2020) – *Aulonastus henicorhina*, *Picobia dryobatis*, *Picumnus sclateri*, *Pseudopicobia hapaloptila*, *Rafapicobia lepidocolaptesi*, *R. olszanowskii*, *Syringophiloidus quetzali*
- Guatemala** (Skoracki, Bochkov & Wauthy, 2004; Skoracki, Mironov & Unsoeld, 2013) – *Picobia ramphastos*, *Syringophiloidus quetzali*
- Guyana** (Skoracki & Sikora, 2011; Glowska & Milensky, 2014; Glowska, Laniecka & Milensky, 2014) – *Kalamotrypetes cracidus*, *Neopicobia herbicolae*, *Picobia myiopagi*, *P. ochoi*, *P. schmidtii*, *Rafapicobia automoli*
- Martinique** (Kaszewska, Skoracki & Hromada, 2018) – *Gunabopibia geotrygoni*
- Panama** (Skoracki et al., 2014; Kaszewska & Skoracki, 2018; Skoracki, Mironov & Bermúdez, 2019; Kaszewska et al., 2020) – *Neopicobia freya*, *Peristerophila claravis*, *P. columbae*, *Psittaciphilus montanus*, *Syringophilopsis bochkovi*
- Paraguay** (Skoracki, 2008b; Skoracki & Sikora, 2011; Skoracki, Sikora & Ozminski, 2012; Skoracki & Solarczyk, 2012; Skoracki et al., 2014; Skoracki, Sikora & Spicer, 2016; Skoracki, Unsoeld, Marciniak & Sikora, 2016; Kaszewska, Skoracki & Hromada, 2018; Kaszewska et al., 2020) – *Charadriophilus ralli*, *Cuculisyringophilus crotophaginus*, *Gunabopibia geotrygoni*, *Kalamotrypetes cracidus*, *Neobubophilus cunicularius*, *Neopicobia freya*, *N. hepburni*, *Peristerophila claravis*, *P. mucuya*, *Picobia dryobatis*, *Rafapicobia dendrocolaptesi*, *Tinamiphilopsis ariconte*
- Peru** (Glowska & Milensky, 2014; Glowska, 2014; Skoracki et al., 2014; Glowska & Laniecka, 2014; Kaszewska et al., 2020) – *Neopicobia ea*, *Peristerophila mucuya*, *Picobia myiopagi*, *P. sayornis*, *P. schmidtii*, *Picumnus olivaceus*, *Syringophilopsis szeffleri*, *S. tyranni*
- Suriname** (Skoracki & Sikora, 2011; Skoracki et al., 2014; Kaszewska & Skoracki, 2018; Kaszewska et al., 2020) – *Columbiphilus odontophoridus*, *Galliphilopsis colinus*, *Peristerophila columbae*, *P. mucuya*, *Picobia dryobatis*, *Psittaciphilus patagioenas*
- Trinidad & Tobago** (Kaszewska & Skoracki, 2018; Skoracki et al., 2014; Kaszewska et al., 2020) – *Peristerophila mucuya*, *Picobia dryobatis*, *Psittaciphilus montanus*
- Uruguay** (Glowska, 2015a) – *Stibarokris annae*
- Venezuela** (Skoracki & Glowska, 2008; Skoracki & Solarczyk, 2012; Skoracki et al., 2014; Skoracki, Unsoeld, Marciniak & Sikora, 2016; Kaszewska, Skoracki & Hromada,

2018) – *Gunabopicobia geotrygoni*, *Megasyringophilus dalmas*, *Neopicobia ea*, *Picobia dryobatis*, *Rafapicobia lepidocolaptesi*, *Terratosyringophilus geotrygonus*

South America (Oudemans, 1904; Skoracki, 2008; Zmudzinski, Solarczyk & Skoradski, 2016) – *Krantziaulonastus galbulicus*, *Niglarobia trouessarti*, *Stibarokris phoeniconaias*

OCEANIA

Australia (Domrow, 1991; Skoracki, 2005b; Skoracki, Glowska & Sikora, 2008, 2011; Skoracki & Glowska, 2008c; Glowska & Laniecka, 2013; Glowska, 2013; Kaszewska, Skoracki & Hromada, 2018; Marciniak, Skoracki & Hromada, 2019; Kaszewska et al., 2020) – *Galliphilopsis szeptyckii*, *Gunabopicobia lathami*, *Lawrencipicobia calyptorhyncha*, *Megasyringophilus cacatua*, *Meitingsunes ptilinopus*, *Neoaulobia cacatua*, *N. krafti*, *Neopicobia ephthianura*, *N. glossopsitta*, *Neoaulonastus grewlingi*, *Peristerophila geopelis*, *P. leucomela*, *Picobia corcoracus*, *Syringophilopsis philemonis*, *Syringophilus bipectinatus*

Johnston Atoll (Glowska 2015) – *Stibarokris mariasi*

Mariana Islands (Kaszewska, Kavetska & Skoracki, 2014) – *Peristerophila lature*

Midway Atoll (Kethley, 1970) – *Philoxanthorhea anoa*

New Zealand (Marciniak, Skoracki & Hromada, 2019) – *Peristerophila nestoriae*

Papua New Guinea (Skoracki, 2005c; Skoracki & Sikora, 2008b; Skoracki, Glowska & Sikora, 2008; Kaszewska, Kavetska & Skoracki, 2014; Hromada, Klimovičova, Unšöld & Skoracki, 2016; Marciniak, Skoracki & Hromada, 2019; Kaszewska, Skoracki & Hromada, 2018; Skoracki, Hromada & Sikora, 2020) – *Apodisyringiana mystaceae* [New Britain], *Aulobia nectarinae*, *Cuculisyringophilus chirovi*, *Gunabopicobia lathami*, *G. masalaje*, *Lawrencipicobia sulphurea*, *Meitingsunes ptilinopus*, *Neoaulobia cacatua*, *Neoperisterophila regiusi*, *Peristerophila coraciidus*, *P. lature*, *Picobia lemi*, *Terratosyringophilus reichholfi*

Locality unknown (Skoracki & Dabert, 2002) – *Syringophilopsis garrulus*

Hosts of Syringophilidae

Aves

Accipitriformes

Fam. Accipitridae

Accipiter francesiae – *Peristerophila accipitridicus*

A. nisus – *Megasyringophilopsis aquilus*, *Peristerophila accipitridicus*

A. rapax – *Megasyringophilus aquilus*

Buteo jamaicensis – *Peristerophila columbae*

B. lagopus – *Peristerophila accipitridicus*

Circaetus gallicus – *Peristerophila accipitridicus*

Clanga pomarina – *Megasyringophilus aquilus*

Hieraaetus pennatus – *Megasyringophilus aquilus*
Terathopius ecaudatus – *Peristerophila accipitridicus*

Anseriformes

Fam. Anatidae

Anas clypeata – *Chenophila canduli*
A. platyrhynchos – *Chenophila platyrhynchos*
A. querquedula – *Chenophila canduli*
Branta canadensis – *Chenophila branta*
B. leucopsis – *Chenophila nanseni*
Marmaronetta angustirostris – *Chenophila marmaronetta*

Apodiformes

Fam. Apodidae

Apus melba – *Syringophiloidus apus*
Collocalia esculenta – *Apodisyringophilus collocalius*
Cypsiurus parvus – *Syringophiloidus cypsiuri*
Hirundapus caudacutus – *Apodisyringiana hirundapi*

Fam. Hemiprocnidae

Hemiprogne comata – *Apodisyringiana haszprunari*
H. mystacea mystacea – *Aposyringiana mystaceae*

Fam. Trochilidae

Amazilia candida – *Syringophiloidus amazilia*

Bucerotiformes

Fam. Bucerotidae

Horizocerus hartlaubi – *Syringophiloidus bucerotidus*
H. albocristatus – *Syringophiloidus bucerotidus*
Lophoceros pallidirostris – *Syringophiloidus bucerotidus*
Tockus flavirostris – *Syringophiloidus bucerotidus*
T. fasciatus – *Syringophiloidus bucerotidus*
T. deckeni – *Syringophiloidus bucerotidus*

Caprimulgiformes

Fam. Caprimulgidae

Chordeiles minor – *Meitingsunes caprimulgus*

Charadriiformes

Fam. Charadriidae

Charadrius w. wilsonia – *Selenonycha baltoda*
Ch. placidus – *Selenonycha charadriiformicus*
Pluvialis apricaria – *Charadriineopicobia apricaria*
P. dominica – *Selenonycha baltoda*
Vanellus albiceps – *Niglarobia vanelli*
V. chilensis – *Charadriphiaulobia vanelli*
V. coconatus – *Niglarobia vanelli*

V. crassirostris – *Niglarobia vanelli*

V. gregarius – *Niglarobia vanelli*

V. lugubris – *Niglarobia vanelli*

V. senegallus – *Niglarobia vanelli*

V. spinosus – *Niglarobia vanelli*

V. vanellus – *Niglarobia vanelli*

Fam. Glareolidae

Cursorius temminckii – *Niglarobia cursoriae*

Smutsornis [Rhinoptilus] africanus – *Niglarobia rhinoptili*

Fam. Laridae

Chroicocephalus genei – *Selenonycha charadriiformicus*

Ch. ridibundus – *Selenonycha charadriiformicus*

Larus californicus – *Selenonycha baltoda*

L. canus – *Philoxanthornia clarki*

L. delawarensis – *Creagonycha lara*

Leucophaeus atricilla – *Charadriineopicobia leucophaeus*, *Selenonycha baltoda*

Subfam. Sterninae

Anous tenuirostris – *Philoxanthornia anoa*

Chlidonias leucopterus – *Philoxanthornia dubinini*

Ch. niger – *Selenonycha baltoda*

Gelochelidon nilotica – *Kethleyana gelochelidoni*, *Philoxanthornia dubinini*

Sterna hirundo – *Philoxanthornia clarki*

Sternula albifrons – *Philoxanthornia clarki*, *Creagonycha sterna*

Fam. Scolopacidae

Arenaria interpres – *Niglarobia helleri*

Calidris alba – *Charadriineopicobia calidris*, *Creagonycha totani*

C. himantopus – *Creagonycha totani*

C. minuta – *Creagonycha totana*, *Paraniglarobia calidridis*

C. pugnax – *Selenonycha charadriiformicus*

C. pusilla – *Niglarobia ereuneti*

C. temminckii – *Creagonycha totani*

Galinago gallinago – *Aulobia gallinago*, *Charadriphilus gallinago*

G. paraguaiae – *Charadriphilus paraguaiae*

Limosa lapponica – *Niglarobia lapponica*, *Charadriineopicobia risbowi*

Phalaropus fulicarius – *Bochkovia phalaropi*, *Phalarophilus fulicarius*

Philomachus pugnax – *Selenonycha charadriiformicus*

Scolopax rusticola – *Charadriphilus lyudmilae*

Tringa flavipes – *Niglarobia helleri*

T. glareola – *Creagonycha totani*

T. melanoleuca – *Niglarobia skorackii*

- T. ochropus* – *Niglarobia helleri*
T. stagnatilis – *Niglarobia helleri*
T. totanus – *Creagonycha totani*, *Niglarobia helleri*

Ciconiiformes

Fam. Ciconiidae

- Ciconia alba* – *Stibarokris langei*
C. maguari – *Stibarokris annae*

Coliiformes

Fam. Coliidae

- Colius striatus* – *Colisyringophilus tanzanicus*
Urocolius macrourus – *Colisyringophilus tanzanicus*

Columbiformes

Fam. Columbidae

- Chalcophaps indica* – *Meitingsunes chalcophaps*
Chordeiles minor – *Meitingsunes caprimulgus*
Claravis pretiosa – *Peristerophila claravis*, *Gunabopicobia claravis*
Columba arguatrix – *Peristerophila columbae*
C. guinea – *Peristerophila columbae*
C. leucomela – *Peristerophila leucomela*
C. leuconota – *Peristerophila columbae*
C. livia – *Columbiphilus khushalkhani*, *Meitingsunes columbicus*, *M. zenaidurae*, *Gunabopicobia zumpti*, *Peristerophila columbae*
C. oenas – *Meitingsunes* [*Peristerophila*] *zenadourae*, *Peristerophila columbae*
C. palumbus – *Meitingsunes columbicus*, *Peristerophila columbae*
C. trocaz – *Peristerophila columbae*
Columbina minuta – *Peristerophila mucuya*
C. passerina – *Peristerophila mucuya*
C. squammata – *Peristerophila mucuya*
C. talpacoti – *Peristerophila mucuya*
Ducula luctuosa – *Gunabopicobia masalaje*, *Peristerophila lature*
D. pistrinaria – *Gunabopicobia masalaje*
D. rosacea – *Gunabopicobia masalaje*
D. rufigaster – *Gunabopicobia masalaje*
D. spilorrhoea – *Gunabopicobia masalaje*, *Peristerophila lature*
Geopelia cuneata – *Peristerophila geopelis*
G. placida – *Peristerophila geopelis*
G. striata – *Peristerophila geopelis*
Geophaps plumifera – *Peristerophila mucuya*
Geotrygon chiriquensis – *Peristerophila columbae*
G. chrysie – *Gunabopicobia geotrygoni*
G. frenata – *Gunabopicobia geotrygoni*, *Meitingsunes aldwelles*

- G. linearis* – *Terratosyringophilus geotrygonus*, *Gunabopicobia geotrygoni*
G. montana – *Gunabopicobia geotrygoni*, *Psittaciphilus montanus*
Leptotila verreauxi – *Gunabopicobia leptotila*
Leucosarcia melanoleuca – *Gunapicobia lathamii*
Metriopelia ceciliae – *Peristerophila mucuya*
M. melanoptera – *Peristerophila mucuya*, *Gunabopicobia metriopelia*
Ocyphaps lophotes – *Peristerophila geopelis*
Patagioenas fasciata – *Psittaciphilus patagioenas*
P. speciosa – *Psittaciphilus patagioenas*, *Peristerophila columbae*
Petrophassa plumifera – *Peristerophila mucuya*
Ptilinopus iozonus – *Gunabopicobia masalaje*
P. jambu – *Peristerophila lature*
P. magnificus – *Meitingsunes ptilinopus*
P. melanospilus – *Peristerophila lature*
P. porphyreus – *Peristerophila lature*
P. regina – *Peristerophila lature*
P. rivoli – *Meitingsunes ptilinopus*
Stigmatopelia senegalensis – *Gunabopicobia zumpti*
Streptopelia capicola – *Gunabopicobia zumpti*, *Peristerophila columbae*
S. decaocto – *Peristerophila columbae*
S. decipiens – *Peristerophila columbae*
S. orientalis – *Peristerophila columbae*
S. semitorquata – *Peristerophila columbae*
S. tranquebarica – *Peristerophila columbae*
S. turtur – *Peristerophila columbae*
Treron waalia – *Meitingsunes columbicolus*
Turacoena manadensis – *Meitingsunes turacoenas*
T. modesta – *Meitingsunes turacoenas*
Turtur tympanistria – *Meitingsunes [Peristerophila] tympanistria*
Zenaida auriculata – *Meitingsunes [Peristerophila] zenadourae*, *Peristerophila columbae*
Z. asiatica – *Meitingsunes [Peristerophila] zenadourae*, *Terratosyringophilus longisoma*
Z. macroura – *Gunabopicobia zumpti*, *Meitingsunes [Peristerophila] zenadourae*,
Terratosyringophilus longisoma ?

Coraciiformes**Fam. Alcedinidae**

- Todiramphus chloris* – *Peristerophila meropis*

Fam. Brachypteracidae

- Atelornis crossleyi* – *Rafapicobia brachypteraci*

Fam. Meropidae*Melittophagus bullocki* – *Syringophilopsis melittophagi**Merops albicollis* – *Syringophilopsis albicollisi***Fam. Momotidae***Baryphthengus ruficapillus* – *Rafapicobia momoti***Cuculiformes****Fam. Cuculidae***Centropus goliath* – *Cuculisyringophilus chirovi**Cercococcyx montanus* – *Cuculisyringophilus chirovi**Cuculus canorus* – *Cuculisyringophilus chirovi**Crotophaga ani* – *Crotophagisyringophilus io**C. solitarius* – *Cuculisyringophilus chirovi**C. sulcirostris* – *Cuculiphilus lobatus*, *Crotophagisyringophilus sulcirostris*,
*Cuculisyringophilus crotophaginus**Guira guira* – *Cuculisyringophilus crotophaginus**Pachycoccyx audeberti* – *Cuculisyringophilus chirovi**Scythrops novaehollandiae* – *Cuculisyringophilus chirovi***Falconiformes****Fam. Falconidae***Falco cherrug* – *Peristerophila falcophila**F. peregrinus* – *Peristerophila falcophila**F. sparverius* – *Peristerophila falcophila***Galbuliformes****Fam. Bucconidae***Hapaloptila castanea* – *Pseudopicobia hapaloptila**Malacoptila panamensis* – *Pseudopicobia malacoptila**Nonnula frontalis* – *Pseudopicobia nonnula***Fam. Galbulidae***Jacamaralcyon tridactyla* – *Krantziaulonastus galbulicus***Galliformes****Fam. Cracidae***Ortalis canicollis* – *Kalamotrypetes cracidus**Penelope* sp. – *Kalamotrypetes cracidus***Fam. Odontophoridae***Calipepla squamata* – *Colinophilus wilsoni*, *Kalamotrypetes colinastes**Colinus cristatus* – *Columbiphilus odontophoridus*, *Galliphilopsis colinus**C. leucopogon* – *Columbiphilus odontophoridus*, *Galliphilopsis colinus**C. virginianus* – *Colinophilus wilsoni*, *Kalamotrypetes colinastes***Fam. Phasianidae***Alectoris barbara* – *Gallophilopsis szeptickii* [publ. as «bochkovi»]*A. rufa* – *Columbiphilus alectoris*, *Syringophilus bipectinatus*

- [*Alectoris* sp]. – *Columbiphilus alectoris*, *Picobia alectoris*
Coturnix chinensis – *Galliphilopsis szeptyckii*
C. coturnix – *Columbiphilus khushalkhani*, *Galliphilopsis szeptyckii*, *Mironovia coturnae*
C. pectoralis – *Galliphilopsis szeptyckii*
Francolinus levaillantoides – *Gallophilopsis francolinus*
F. clappertoni – *Columbiphilus khushalkhani*
Gallus gallus domestica – *Columbiphilus khushalkhani* (=polonica), *Syringophilus bipectinatus*
G. sonneratii – *Columbiphilus khushalkhani* (=polonica)
Lagopus lagopus – *Mironovia lagopus*
L. muta – *Mironovia lagopus*
Lophura leucomelanos – *Gallophilopsis lophurus*
Phasianus colchicus – *Mironovia phasiani*
Ptilopachus petrosus – *Syringophilus bipectinatus*
Rollulus rouloul – *Mironovia rouloul*
Tragopan sp. – *Gallophilopsis bochkovi*
Meleagris gallopavo [*pavodaptes*] – *Mironovia* [*Kalamotrypetes*] *pavodaptes*

Fam. Numididae

- Acryllium vulturinum* – *Columbiphilus khushalkhani*
Numida meleagris – *Syringophilus numida*
Numida meleagris mitratus – *Columbiphilus khushalkhani*

Gruiformes**Fam. Aramidae**

- Aramus guarauna* (= *scolopaceus*) – *Niglarobia trouessarti*

Fam. Rallidae

- Fulica americana* – *Charadriphilus ralli*
Gallinula chloropus – *Ascetomylla gallinula*
G. melanops – *Charadriphilus ralli*
Laterallus melanophaius – *Charadriphilus ralli*
Pardirallus sanguinolentus – *Rafapicobia melzeri*
Rallus aquaticus – *Charadriphilus ralli*, *Rafapicobia melzeri*
Porzana carolina – *Ascetomylla porzanae*
P. parva – *Charadriphilus ralli*, *Rafapicobia melzeri*
P. porzana – *Rafapicobia melzeri*

Musophagiformes**Fam. Musophagidae**

- Musophaga rossae* – *Blaszakia rossae*
Tauraco livingstoni – *Blaszakia tauracos*
T. schalowi – *Blaszakia tauracos*

Otidiformes

Fam. Otididae

Chlamydotis undulata – *Pteroclidisyringophilus otididus*

Passeriformes**Fam. Acanthizidae**

Acanthiza inornata – *Neosyringophilopsis acanthizus*

Pyrrholaemus sagitatus – *Neopicobia pyrrholaemus*

Fam. Acrocephalidae

Acrocephalus arundinaceus – *Neoaulonastus bisetatus*

A. baeticatus – *Neoaulonastus bisetatus*

A. dumetorum – *Neoaulonastus bisetatus* (= *scirpaceus*)

A. paludicola – *Neoaulonastus bisetatus*, *Picobia paludicola*

A. palustris – *Neoaulonastus bisetatus*

A. schoenobaenus – *Syringophilopsis acrocephali*

A. scirpaceus – *Neoaulonastus bisetatus* (= *scirpaceus*), *Syringophilopsis acrocephali*

Iduna caligata – *Neoaulonastus caligatus*, *Syringophilopsis idunae*

Fam. Aegithalidae

Aegithalos caudatus – *Neoaulonastes aegithalos*, *Neosyringophilopsis aegythali*,
Picobia caudati

Psaltriparus minimus – *Picobia psaltriparus*

Fam. Alaudidae

Calandrella brachydactyla – *Syringophilopsis davidi*

Eremophila alpestris – *Torotroglalullulae*

Galerida cristata – *Picobia galerida*

Lullula arborea – *Torotroglalullulae*

Fam. Artamidae

Artamis fuscus – *Syringophiloidus artamis*

A. leucorhynchus – *Syringophiloidus artamis*

Fam. Bernieridae

Bernieria madagascariensis – *Picobia bernieriarum*

Xanthomixis zosterops – *Picobia bernieriarum*

Fam. Bombycillidae

Bombycilla cedrorum – *Syringophiloidus bombycillae*

B. garrulus – *Syringophiloidus bombycillae*

Fam. Calcariidae

Calcarius lapponicus – *Torotroglacalcarius*

Fam. Cardinalidae

Cardinalis cardinalis – *Neopicobia cardinalis*, *Syringophiloidus carolae*, *Torotroglacardinalis*

Habia fuscicauda – *Aulonastus similis*

H. rubica – *Aulonastus similis*

Passerina ciris – *Syringophiloidus daberti*, *Syringophilopsis passerinae*
. *cyanea* – *Syringophilopsis passerinae*, *Syringophiloidus carolae*
Piranga ludoviciana – *Aulonastus pirangus*, *Torotroglia piranga*

Fam. Certhiidae

Certhia americana – *Syringophilopsis certhiae*

Fam. Cettiidae

Cettia cetti – *Picobia cetti*

Fam. Cinclidae

Cinclus mexicanus – *Syringophiloidus cincli*

Fam. Cisticolidae

Apalis porphyrolaema – *Neoaulonastus apalis*

Cisticola cantans – *Aulobia cisticolae*

C. chubbi – *Aulobia cisticolae*

C. erythrops – *Aulobia cisticolae*

C. hunteri – *Aulobia cisticolae*

C. lateralis – *Aulobia cisticolae*

Neomixis tenella – *Picobia neomixis*

Prinia [Heliolais] erythroptera – *Aulobia erythroptera*

Fam. Conopophagidae

Conopophaga aurita – *Rafapicobia milenskyi*

Fam. Corcoracidae

Corcorax melanorhamphos – *Picobia corcoracus*

Fam. Corvidae

Aphelocoma californica – *Torotroglia aphelocoma*

Cissa chinensis – *Picobia cissa*

Corvus brachyrhynchos – *Syringophilus bipectinatus*, *Syringophiloidus glandarii*

C. frugilegus – *Corvitorotroglus alpha*, *Syringophiloidus glandarii*

C. monedula – *Syringophiloidus glandarii*

Cyanocitta stelleri – *Syringophiloidus glandarii* [also published as *S. presentalis*], *Torotroglia cyanocitta*

Dendrocitta vagabunda [rufa rufa] – *Syringophiloidus dendrocittae*

Garrulus glandarius – *Syringophiloidus glandarii*, *S. presentalis*, *Syringophilopsis garrulus*

Nucifraga caryocatactes – *Syringophilopsis nucifragus*

Pica pica – *Syringophiloidus glandarii*

Urocissa erythrorhyncha – *Picobia cissa*

Fam. Dicruridae

Syringophilopsis dicruri – *Dicrurus adsimilis*

Fam. Emberizidae

Ammodramus savanarum – *Aulonastus emberizicus*

Emberiza elegans – *Torotroglia volgini*

E. rutila – *Betasyringophiloidus schoeniclus*
E. schoeniclus – *Betasyringophiloidus schoeniclus*
E. tristrami – *Betasyringophiloidus schoeniclus*
Passerculus sandwichensis – *Aulonastus emberizicus*
Tachyphonus rufus – *Syringophiloidus stawarczyki*

Fam. Estrildidae

Erythrura trichroa – *Syringophiloidus erythrurus*
Estrilda astrild – *Neoaulonastus lonchurus*, *N. oryzivorus*
E. atricapilla – *Neoaulonastus lonchurus*, *N. oryzivorus*, *Picobia lonchurae*
E. nonnula – *Neoaulonastus lonchurus*
E. erythronotus – *Neoaulonastus lonchurus*
E. rhodopyga – *Neoaulonastus lonchurus*, *Syringophiloidus estrildus*
E. troglodytes – *Neoaulonastus lonchurus*
Granatina ianthinogaster – *Neoaulonastes granatina*
Lagonosticta rufopicta – *Syringophilopsis lagonostictus*
L. senegala – *Syringophilopsis lagonostictus*
Lonchura leucogastra – *Picobia lonchura*
L. oryzivora – *Neoaulonastus oryzivorus*
L. punctulata – *Fritschsyringophilus lonchurae*, *Neoaulonastus lonchurus*
Lonchura sp. – *Syringophiloidus erythrurus*
Spermestes cucullatus [*Lonchura cucullata*] – *Neosyringophilopsis lonchurus*

Fam. Falcunculidae

Falcunculus frontatus – *Neoaulonastus grewlingi*

Fam. Fringillidae

Acanthis flammea – *Aulobia cardueli*
Carduelis cannabina – *Syringophilopsis kirgizorum*, *Torotroglia cardueli*
C. cardinalis – *Aulobia cardueli*
C. carduelis – *Aulobia cardueli*, *Syringophilopsis kirgizorum*, *Torotroglia cardueli*
C. citrinella – *Aulobia cardueli*
C. flavirostris – *Aulobia cardueli*
Carpodacus erythrurus – *Syringophiloidus carpodaci*
Chloris chloris – *Picobia chloris*, *Syringophilopsis kirgizorum*, *Syringophiloidus klimovi*
Coccothraustes coccothraustes – *Syringophiloidus coccothraustes*
C. vespertinus – *Torotroglia coccothraustes*
Euphonia cyanocephala – *Syringophiloidus stawarczyki*
Fringilla coelebs – *Syringophilopsis fringillae*, *Torotroglia gaudi*, *Aulonastus fringillus*
F. montifringilla – *Syringophilopsis fringillae*, *Torotroglia gaudi*
Haemorhous purpureus – *Neopicobia carpodacus*

Leucosticte arctoa – *Aulobia leucostictus*
Linurgus olivaceus – *Syringophilopsis kirgizorum*
Loxia curvirostra – *Torotrogla cardueli*, *Aulonastus loxius*
L. leucoptera – *Torotrogla cardueli*
L. pytiopsittacus – *Torotrogla cardueli*
Pyrrhula pyrrhula – *Neopicobia modularis*, *Torotrogla gaudi*
Rhodospiza obsoleta – *Syringophilopsis kirgizorum*
Serinus canaria – *Torotrogla cardueli*
S. capistratus – *Syringophiloidus minor*
S. mozambicus – *Syringophiloidus serini*
Spinus psaltria – *Aulobia cardueli*
S. spinus – *Aulobia cardueli*, *Torotrogla cardueli*

Fam. Furnariidae

Aphrastura spinicauda – *Picobia* sp.
Automolus ochrallaemus – *Rafapicobia automoli*
A. rufipileatus – *Rafapicobia automoli*
Dendrocolaptes platyrostris – *Rafapicobia dendrocolaptesi*
D. picumnus – *Rafapicobia dendrocolaptesi*
Lepidocolaptes affinis – *Rafapicobia lepidocolaptesi*
L. souleyetii – *Rafapicobia lepidocolaptesi*
Synallaxis spixi – *Torotrogla synallaxis*
Xiphocolaptes promeropirhynchus – *Picobia makoli*

Fam. Hirundinidae

Delichon urbicum – *Syringophiloidus delichonum*, *S. glandarii*
Hirundo rustica – *Syringophiloidus delichonum*, *S. hirundinis*, *Syringophilopsis fringillae*, *S. rusticus*
Riparia riparia – *Picobia riparius*, *Syringophilopsis rusticus*

Fam. Icteridae

Agelaius phoeniceus – *Syringophiloidus agelaius*, *Syringophilopsis elongatus* [= *S. icteridae*]
Cacicus chrysopterus – *Picobia ictericus*
Euphagus carolinus – *Syringophilopsis elongatus*
E. cyanocephalus – *Aulonastus euphagus*, *Syringophilopsis elongatus*
Icterus bullockii – *Syringophilopsis icteri*
I. galbula – *Syringophiloidus molothrus*, *Syringophilopsis icteri*
I. pustulatus – *Betasyringophiloidus seiuri*, *Syringophilopsis icteri*
I. spurius – *Syringophilopsis icteri*
Molothrus ater – *Syringophiloidus molothrus*
M. bonariensis – *Syringophilopsis bonariensis*
Pheucticus melanocephalus – *Syringophilopsis wilsoni*
Pseudoleistes guirahuro – *Picobia ictericus*

Quiscalus mexicanus – *Syringophilopsis elongatus*

Q. quiscula – *Syringophilopsis elongatus*

Sturnella magna – *Aulonastus sturnellus*

S. neglecta – *Syringophilopsis sturnellus*

Xanthocephalus xanthocephalus – *Syringophiloidus xanthocephalus*

Fam. Laniidae

Corvinella corvina – *Syringophilopsis corvinae*

Lanius excubitor – *Syringophiloidus weiszii*

L. ludovicianus – *Syringophiloidus weiszii*

L. minor – *Syringophilopsis kristini*

L. senator – *Aulonastus lanius*

Lanius sp. – *Syringophilopsis yosefi*

Fam. Leiotherichidae

Trochalopteron formosum [*Garrulax formosus*] – *Picobia dziabaszewskii*

Trochalopteron affine [*Garrulax affinis*] – *Neosyringophilopsis garrulaxi*

Turdoides jardineii – *Picobia dziabaszewskii*

T. leucopygia – *Picobia dziabaszewskii*

T. rubiginosa – *Picobia dziabaszewskii*

Fam. Locustellidae

Locustella luscinioides – *Neosyringophilopsis locustellus*, *Neopicobia locustella*

L. naevia – *Neosyringophilopsis locustellus*, *Neopicobia locustella*

Fam. Macrosphenidae

Sylvietta virens flaviventris – *Aulobia virens*

S. whytii johnstoni – *Aulobia sylviettae*

Fam. Malaconotidae

Laniarius aethiopicus – *Neoaulonastus malaconotus*

Nilaus afer – *Neoaulonastus malaconotus*

Telophorus nigrifrons – *Neoaulonastus malaconotus*

Fam. Meliphagidae

Epthianura aurifrons – *Neopicobia epthianura*

Philemon citreogularis – *Syringophilopsis philemonis*

Fam. Mimidae

Dumetella carolinensis – *Syringophilopsis mimidus*

Margarops fuscatus – *Syringophilopsis mimidus*

Mimus patagonicus – *Torotroglia mima*

M. polyglottos – *Torotroglia mima*

M. triurus – *Torotroglia mima*

Toxostoma curvirostre – *Rafapicobia toxostoma*

Fam. Monarchidae

Terpsiphone mutata – *Pipicobia terpsiphone*

T. rufiventer – *Pipicobia terpsiphone*, *Syringophiloidus furthi*

Fam. Motacillidae

- Anthus cervinus* – *Aulonastes anthus*, *Neopicobia anthi*
A. pratensis – *Syringophilopsis blaszaki*, *Torotroglia modularis*
A. spinoletta – *Syringophilopsis spinolettus*
A. trivialis – *Aulonastes anthus*, *Neopicobia anthi*, *Syringophilopsis blaszaki*
Motacilla alba – *Aulonastus albus*
M. flava – *Aulonastus albus*, *Syringophiloidus motacillae*

Fam. Muscicapidae

- Cichladusa arquata* – *Picobia cichladusa*
Cossypha heuglini – *Picobia echo*
Copsychus malabricus – *Picobia echo*
C. saularis – *Picobia echo*
Erithacus rubecula – *Torotroglia rubeculi*
Ficedula hypoleuca – *Rafapicobia zirnitra*, *Syringophilopsis kazmierski*
F. parva – *Syringophilopsis kazmierski*
Luscinia akahige – *Rafapicobia zirnitra*
L. cyanura – *Rafapicobia zirnitra*
L. megarhynchos – *Torotroglia lusciniae*
L. sibilans – *Rafapicobia zirnitra*
L. svecica – *Torotroglia lusciniae*
Muscicapa dauurica (= *latirostris*) – *Syringophilopsis muscicapus*
Myrmecocichla arnotti – *Picobia myrmecocichla*
Phoenicurus aureus – *Rafapicobia zirnitra*
Ph. moussieri – *Picobia phoenicuri*
Ph. ochruros – *Betasyringophyloides phoenicurus*
Ph. phoenicurus – *Syringophilopsis kazmierski*
Saxicola rubetra – *Betasyringophyloides saxicolus*, *Rafapicobia zirnitra*

Fam. Nectariniidae

- Anthreptes longuemarei* – *Aulobia afroanthreptes*, *Neoaulonastus cinnyris*
A. malacensis – *Aulobia anthreptes*
A. neglectus – *Aulobia afroanthreptes*, *Neoaulonastus cinnyris*
A. reichenowi – *Aulonastus nectariniphilus*
Cinnyris mediocris – *Neoaulonastes cinnyris*
C. shelleyi – *Aulobia nectariniae*
C. chalybeus – *Picobia oritis*
C. erythrocerus – *Picobia oritis*
C. jugularis – *Aulobia nectariniae*
C. mariquensis – *Aulobia nectariniae*
C. oustaleti – *Picobia oritis*
C. regius – *Aulobia nectariniae*
C. shelleyi – *Aulobia nectariniae*

C. talatala – *Picobia oritis*
C. venustus – *Picobia oritis*
Cyanomitra olivacea – *Picobia oritis*
C. oritis – *Picobia oritis*
C. verreauxi – *Picobia oritis*
Hedydipna collaris – *Picobia hedydipna*
Leptocoma sericea – *Aulobia nectariniae*
L. zeylonica – *Neoaulonastus sidorchukae*
Nectarinia takazze – *Aulonastus nectariniphilus*

Fam. Oriolidae

Oriolus chinensis – *Syringophiloidus oriolus*
O. oriolus – *Syringophiloidus oriolus*

Fam. Panuridae

Panurus biarmicus – *Picobia biarmicus*

Fam. Paradisaeidae

Cicinnurus regius – *Neoperisterophila regiusi*
Manucodia ater – *Picobia lemi*
M. chalybatus – *Picobia lemi*

Fam. Paridae

Parus major – *Neopicobia pari*
Periparus venustulus – *Neopicobia pari*
Poecile carolinensis – *Syringophiloidus jackowiaki*
P. palustris – *Syringophilopsis palustris*
P. varius – *Neopicobia pari*

Fam. Parulidae

Geothlypis philadelphia – *Betasyringophiloidus seiuri*
Helmitheros vermivorum – *Betasyringophiloidus seiuri*
Oreothlypis peregrina – *Betasyringophiloidus seiuri*
O. [Vermivora] rufiapilla – *Betasyringophiloidus seiuri*
Parkesia noveboracensis – *Betasyringophiloidus seiuri*
Phainopepla nitens – *Torotroglia villosa*
Protonotaria citrea – *Syringophilopsis dendroicae*
Seiurus aurocapillus – *Betasyringophiloidus seiuri*
Setophaga coronata – *Aulobia dendroicae*, *Syringophilopsis dendroicae*
S. carulescens – *Syringophilopsis dendroicae*
S. [Dendroica] graciae – *Syringophilopsis dendroicae*
S. [D.] nigrescens – *Aulobia dendroicae*
S. palmarum – *Betasyringophiloidus seiuri*
S. pensylvanica – *Betasyringophiloidus seiuri*
S. petechia – *Syringophilopsis dendroicae*

Cardellina [Wilsonia] pusilla – *Neopicobia troglodytes*, *Syringophilopsis dendroicae*

Fam. Passerellidae

Melospiza georgiana – *Betasyringophiloidus seiuri*

M. lincolnii – *Betasyringophiloidus seiuri*

M. melodia – *Betasyringophiloidus seiuri*

Pipilo erythrophthalmus – *Aulonastus pipili*

Spizella breweri – *Syringophiloidus auduboni*, *S. sialis*

Zonotrichia albicollis – *Betasyringophiloidus seiuri*, *Syringophiloidus zonotrichia*

Z. atricapilla – *Aulonastus emberizicus*

Fam. Passeridae

Passer domesticus – *Krantziaulonastus dubinini*, *Picobia passeri*, *Syringophiloidus minor*, *Syringophilopsis hunanensis*, *S. passericus*

P. hispaniolensis – *Syringophiloidus minor*

P. montanus – *Syringophilopsis fringillae*, *Syringophiloidus minor*, *S. montanus*

Petronia petronia – *Syringophiloidus petronicus*

Fam. Pellorneidae

Illadopsis rufipennis – *Picobia illadopsae*

Fam. Phylloscopidae

Phylloscopus collybita – *Neosyringophilopsis phylloscopi*

Ph. trochilus – *Neosyringophilopsis phylloscopi*

Fam. Pipridae

Corapipo altera – *Syringophilopsis bochkovi*

Manacus vitellinus – *Syringophilopsis bochkovi*

Fam. Ploceidae

Dinemellia dinemelli – *Krantziaulonastus yoyomi*, *Picobia dinemellia*

Euplectes axillaris – *Neoaulonastus tanzanicus*

Hyphanturgus nigricollis brachypterus – *Syringophilopsis nitens*

Malimbus nitens – *Syringophilopsis nitens*

Ploceus xanthops – *Betasyringophiloidus seiuri*

P. aurantius – *Syringophiloidus plocei*

P. cucullatus – *Syringophiloidus plocei*

P. nelicourvi – *Neoaulonastus tanzanicus*

P. nigerrimus – *Syringophiloidus plocei*

P. nigricollis – *Syringophilopsis nitens*

P. ocularis – *Picobia ploceus*

Ploceus baglafecht [Othyphantes stuhlmanni] – *Betasyringophiloidus seiuri*

Ploceus [Pachyphantes] superciliosus – *Betasyringophiloidus seiuri*

P. vitellinus – *Syringophilopsis nitens*

Pseudonigrita arnaudi – *Syringophiloidus pseudonigritae*

Quelea erythrops – *Betasyringophiloidus seiuri*, *Syringophilopsis nitens*

Q. quelea – *Neoaulonastus quelea*

Fam. Polioptilidae

Polioptila caerulea – *Syringophilopsis polioptilus*

Fam. Prunellidae

Prunella atrogularis – *Neopicobia modularis*

P. modularis – *Aulonastus prunellae*, *Neopicobia modularis*, *Torotrogl modularis*

Fam. Ptilogonatidae

Phainopepla nitens – *Torotrogl villosa*

Fam. Pycnonotidae

Chlorocichla flaviventris – *Syringophilopsis veselovsky*

Eurillas latirostris – *Syringophilopsis veselovsky*

Pycnonotus barbatus – *Picobia pycnonoti*, *Syringophilopsis veselovsky*

P. goiavier – *Picobia pycnonoti*

P. xanthopygos – *Picobia pycnonoti*, *Torotrogl pycnonotus*

Fam. Remizidae

Remiz pendulinus – *Neoaulonastus remizus*

Fam. Rhinocriptidae

Pteroptochos tarnii – *Syringophiloidus tarnii*

Scytalopus magellanicus – *Picobia magellani*

Teledromas fuscus – *Syringophiloidus teledromas*

Fam. Sittidae

Sitta carolinensis – *Syringophilopsis sittae*

S. europaea – *Syringophilopsis sittae*

Fam. Sturnidae

Aplonis panayensis – *Picobia indonesiana*

Enodes erythrophris – *Picobia indonesiana*

Gracula religiosa – *Syringophiloidus graculae*

Lamprotornis superbus – *Picobia lamprotornis*

Mino dumontii – *Picobia indonesiana*

Sturnus cineraceus – *Picobia sturni*

S. unicolor – *Picobia sturni*

S. vulgaris – *Krantziaulonastus buczekae*, *Picobia sturni*, *Syringophiloidus presentalis*, *Syringophilopsis sturni*

Fam. Sylviidae

Sylvia atricapilla – *Aulobia sylviae*, *Neoaulonastus bisetatus*

S. borin – *Syringophilopsis borini*

S. communis – *Neoaulonastus bisetatus*

S. curruca – *Aulobia sylviae*, *Neoaulonastus bisetatus*, *Picobia currucae*, *Syringophilopsis faini*

S. hortensis – *Picobia currucae*

S. nisoria – *Aulobia sylviae*, *Picobia currucae*

Fam. Thamnophilidae

Hypocnemis cantator – *Rafapicobia thamnophili*

Myrmeciza ferruginea – *Rafapicobia thamnophili*

Myrmoborus leucophrys – *Rafapicobia thamnophili*

Myrmotherula longipennis – *Rafapicobia thamnophili*

Pygiptila stellaris – *Phipicobia pygiptilae*

Thamnophilus insignis – *Rafapicobia thamnophili*

Fam. Thraupidae

Dacnis cayana – *Syringophiloidus stawarczyki*

Emberizoides herbicola – *Neopicobia herbicolae*

Sicalis luteola – *Syringophilopsis emberizae*

Sporophila torqueola – *Syringophiloidus sporophila*

Thamnophilus rufus – *Syringophiloidus stawarczyki*

Fam. Timaliidae

Cyanoderma [*Stachyris*] *pyrrhops* – *Syringophilopsis stachyris*

Fam. Troglodytidae

Campylorhynchus brunneicapillum – *Syringophiloidus* sp.

Henicorhina leucosticta – *Aulonastus henicorhina*

H. leucophrys – *Picobia troglodytidus*

Microcerculus marginatus – *Syringophiloidus microcerculus*

Thryomanes bewickii – *Neopicobia troglodytes*

Thryothorus ludovicianus – *Syringophiloidus thryothorus*

Troglodytes aedon – *Neopicobia troglodytes*, *Neosyringophilopsis troglodytis*

T. troglodytes – *Neosyringophilopsis troglodytis*

Fam. Turdidae

Catharus [= *Hylocichla*] *fuscescens* – *Syringophilopsis hylocichlae*

Copsychus albospectularis – *Rafapicobia copsychus*

Hylocichla mustelina – *Picobia hylocichlae*

Sialia mexicana – *Syringophiloidus sialius*

Turdus albicollis – *Syringophilopsis turdi*

T. atrogularis – *Syringophiloidus parapresentalis*, *Syringophilopsis turdi*

T. iliacus – *Syringophiloidus parapresentalis*, *Syringophilopsis turdi*

T. merula – *Torotroglia merulae*, *Syringophiloidus parapresentalis*

T. migratorius – *Syringophiloidus parapresentalis*, *S. presentalis*, *Syringophilopsis turdi*, *Torotroglia merulae*

T. pilaris – *Syringophiloidus parapresentalis*, *Syringophilopsis turdi*

T. philomelos – *Syringophiloidus philomelosus*, *Syringophilopsis turdi*, *Torotroglia merulae*

T. torquatus – *Torotroglia merulae*

T. viscivorus – *Torotroglia merulae*

Fam. Tyrannidae

- Elaenia ruficeps* – *Picobia myiopagi*
Empidonax hammondii – *Syringophilopsis empidonax*
E. wrightii – *Syringophilopsis empidonax*
Hemitriccus margaritaceiventer – *Picobia schmidtii*
Lophotriccus pileatus – *Picobia schmidtii*, *Syringophilopsis szeffleri*
Myiozetetes similis – *Aulonastus similis*
Sayornis nigricans – *Picobia sayornis*
Tolmomyias sulphurescens – *Picobia ochoi*
Tyrannus tyrannus – *Syringophilopsis tyranni*
T. dominicensis – *Syringophilopsis tyranni*
T. forficatus – *Syringophilopsis tyranni*
T. verticalis – *Syringophilopsis tyranni*
Myiarchus cinerascens – *Syringophilopsis tyranni*
M. crinitus – *Syringophilopsis tyranni*
Myiopagis gaimardii – *Picobia myiopagi*
M. subplacens – *Picobia myiopagi*, *Syringophilopsis tyranni*
Satrapa icterophrys – *Syringophilopsis tyranni*

Fam. Vangidae

- Prionops scopifrons* – *Neoaulonastus prionops*, *Picobia meru*

Fam. Vireonidae

- Vireo hypochryseus* – *Syringophilopsis catesbyi*
V. olivaceus – *Syringophilopsis catesbyi*

Fam. Zosteropidae

- Zosterops erythroleurus* – *Neoaulonastus zosterops*
Z. senegalensis – *Neoaulonastus zosterops*

Pelecaniformes**Fam. Ardeidae**

- Ardea alba egretta* – *Trypetoptila casmerodia*
Ixobrychus cinnamomeus – *Ixobrychophilus wallacei*

Fam. Threskiornithidae

- Geronticus calurus* – *Stibarokris geronticus*
Phimosus infuscatus – *Selenonycha inspirata*
Platalea leucorodia – *Stibarokris platalea*
Plegadis falcinellus – *Stibarokris brevisetosus*
Theristicus caudatus – *Stibarokris theristicus*

Phoenicopteriformes**Fam. Phoenicopteridae**

- Phoeniconaias minor* – *Stibarokris phoeniconaias*
Phoenicopus ruber – *Stibarokris phoeniconaias*
Ph. chilensis – *Stibarokris phoeniconaias*

Piciformes**Fam. Lybiidae**

Pogoniulus bilineatus – *Neosyrigophilopsis lybidus*, *Picineoaulonastus pogoniulus*

P. pusillus – *Picineoaulonastus pogoniulus*

Tanopicobia trachyphoni – *Trachyphonus erythrocephalus*

Fam. Picidae

Camptothera nubica – *Picobia dryobatis*

Celeus elegans – *Neopicobia ea*

C. flavus – *Neopicobia ea*

C. torquatus – *Neopicobia ea*

Chrysocolaptes lucidus – *Neoaulonastes chrysocolaptes*

Colaptes [Picumnus] rubiginosus – *Neopicobia freya*

Dendrocopos borealis – *Picobia dryobatis*

D. darjellensis – *Picobia dryobatis*

D. leucotos – *Picobia dryobatis*, *Neoaulonastus picidus*

D. macei – *Picobia dryobatis*

D. major – *Picobia dryobatis*, *Neoaulonastus picidus*

D. minor hortorum – *Picobia dryobatis*

Dendropicos fuscescens – *Picobia dryobatis*, *Syringophiloidus picidus*

D. goerthae – *Neopicobia freya*, *Picobia dryobatis*

D. griseocephalus – *Neopicobia freya*

D. namaquus – *Picobia dryobatis*

D. stierlingi – *Picobia dryobatis*

D. syriacus – *Picobia dryobatis*

Dryocopus galeatus – *Neopicobia freya*, *Picobia dryobatis*

Jynx torquilla – *Picobia dryobatis*

Melanerpes carolinus – *Picobia dryobatis*,

M. erythrocephalus – *Picobia dryobatis*

M. formicivorus – *Syringophiloidus carolae*

Picoides pubescens – *Picobia dryobatis*, *Picisyngophilus kratos*

P. mixtus – *Picobia dryobatis*

P. scalaris – *Picobia dryobatis*

P. tridactylus – *Picobia dryobatis*

Piculus rubiginosus – *Neopicobia freya*

Picumnus exilis – *Neopicobia hepburni*

P. olivaceus – *Neopicobia hepburni*

P. sclateri – *Neopicobia hepburni*

P. temminckii – *Neopicobia hepburni*

Picus awokera – *Picobia heeri*

P. canus – *Picobia heeri*, *Neoaulonastus picidus*

- P. chlorolophus* – *Picobia heeri*
P. erythropygius – *Picobia heeri*
P. flavinucha – *Picobia heeri*
P. mentalis – *Picobia mentalis*
P. puniceus – *Picobia heeri*
P. squamatus – *Picobia heeri*
P. viridis – *Picobia heeri*
Veneliornis cassini – *Picobia dryobatis*
V. dignus – *Picobia dryobatis*
V. fumigatus – *Picobia dryobatis*
V. kirkii – *Picobia dryobatis*
V. maculifrons – *Picobia dryobatis*
V. passerines – *Picobia dryobatis*
V. sanguineus – *Picobia dryobatis*
V. spilogaster – *Picobia dryobatis*

Fam. Rhamphastidae

- Ramphastos sulfuratus* – *Rafaicobia ramphastos*
R. vietellinus – *Rafapicobia ramphastos*

Fam. Semnornithidae

- Semnornis ramphastinus* – *Rafapicobia olszanowskii*

Procellariiformes

Fam. Procellariidae

- Ardenna pacifica* – *Procellariisyringophilus bulwerius*
Bulwerius bulwerius – *Procellariisyringophilus bulwerius*
Calonectris diomedea – *Procellariisyringophilus bulwerius*
Puffinus pacificus – *Stibarokris mariasi*

Fam. Hydrobatidae

- Hydrobates pelagicus* – *Stibarokris hydrobates*

Psittaciformes

Fam. Psittacidae

- Amazona aestiva* – *Psittaciphilus amazonae*
A. amazonica – *Psittaciphilus amazonae*
A. finschi – *Neoaulobia mironovi*
Aratinga canicularis – *Neoaulobia mexicana*
A. pertinax – *Megasyringophilus kethleyi*, *Neoaulobia mexicana*
A. jandaya – *Megasyringophilus kethleyi*, *Neoaulobia aratingae*
Bolborhynchus aymara – *Peristerophila mucuya*
Brotogeris jugularis cyanopectus – *Rafapicobia brotogeris*
B. versicolurus – *Megasyringophilus kethleyi*, *Peristerophila mucuya*
Forpus cyanopygius – *Peristerophila forpi*
Pionus senilis – *Terratosyringophilus pioni*

Poicephalus senegalus – *Neoaulobia pulyerti*, *Lawrencicobia poicephali*

Fam. Psittaculidae

Agapornis fischeri – *Neoaulobia agapornis*

A. nigrigenis – *Neoaulobia agapornis*

A. personatus – *Neoaulobia agapornis*

A. roseicollis – *Neoaulobia agapornis*

A. taranta – *Neoaulobia agapornis*

Eos bernea – *Megasyringophilus eos*

Geoffroyus geoffroyi – *Megasyringophilus geoffroyus*

Glossopsitta porphyrocephala – *Neopicobia glossopsitta*

Loriculus philippensis – *Neoaulobia puylaerti*

L. pusillus – *Neoaulobia puylaerti*

Lorius garrulus – *Terratosyringophilus loricatus*

L. lory – *Terratosyringophilus reichholfi*

Platycercus eximius – *Megasyringophilus platycercus*

Psittacula cyanocephala – *Megasyringophilus cyanocephala*, *Neoaulobia psittaculae*

P. eupatria – *Megasyringophilus cyanocephala*

P. krameri – *Megasyringophilus cyanocephala*

Trichoglossus chlorolepidotus – *Megasyringophilus trichoglossus*

T. euteles – *Megasyringophilus trichoglossus*

T. haematodus – *Peristerophila mucuya*, *Terratosyringophilus loricinus*

T. ornatus – *Megasyringophilus dubinini*

Fam. Cacatuidae

Cacatua galerita – *Megasyringophilus cacatua*

C. tenuirostris – *Neoaulobia krafti*

C. sulphurea – *Lawrencipicobia sulphurea*

Calyptorhynchus funereus – *Neoaulobia cacatua*

C. lathami – *Lawrencipicobia calyptorhyncha*

Probosciger aterrimus – *Neoaulobia cacatua*

Fam. Strigopidae

Nestor meridionalis – *Peristerophila nestoriae*

Pterocliiformes

Fam. Pteroclididae

Pterocles coronatus – *Columbiphilus pteroclesi*

P. senegallus – *Pteroclidisyringophus re*, *Columbiphilus pteroclesi*

Strigiformes

Fam. Strigidae

Asio otus – *Bubophilus aluconis*, *B. asiobius*

Athene cunicularia – *Neobubophilus atheneus*

A. brama – *Neobubophilus atheneus*

A. noctua – *Neobubophilus atheneus*
Bubo ascalaphus – *Bubophilus ascalaphus*
B. africanus – *Bubophilus ascalaphus*
B. bubo – *Bubophilus ascalaphus*
B. virginianus – *Bubophilus ascalaphus*
Megascops choliba – *Megasyringophilus dalmas*
Strix aluco – *Bubophilus aluconis*
S. woodfordii – *Bubophilus aluconis*

Fam. Tytonidae

Tyto alba affinis – *Bubophilus ascalaphus*, *B. tytonis*

Suliformes

Fam. Phalacrocoracidae

Phalacrocorax auritus – *Stibarokris phalacrus*
Ph. carbo – *Stibarokris dastychi*

Tinamiformes

Fam. Tinamidae

Eudromia elegans – *Tinamiphilopsis elegans*
Nothura boraquira – *Tinamiphilopsis ariconte*
N. minor – *Tinamiphilopsis ariconte*
Rhynchotus rufescens – *Tinamiphilopsis ariconte*

Trogoniformes

Fam. Trogonidae

Pharomachrus antisianus – *Syringophiloidus quetzali*
Ph. mocinno – *Syringophiloidus quetzali*
Trogon citreolus – *Syringophilopsis trogoni*
T. melanocephalus – *Syringophilopsis trogoni*

Upupiformes

Fam. Phoeniculidae

Phoeniculus purpureus – *Picobia phoeniculi*

Fam. Upupidae

Upupa epops africana – *Picobia phoeniculi*
Upupa epops epops – *Peristerophila upupi*, *Picobia phoeniculi*

Bibliography of Syringophilidae

- [Amirhanov F.M.] Амирханов Ф. М. 1970. [Syringophilosis of chicken in Azerbaidzhan] Сирингофилез кур в Азербайджане. – Second Acarological Conference, Proc., 1, Ed. Naukova dumka, Kiev: 31–32 (in Russian).
 [Amirhanov F.M.] Амирханов Ф. М. 1973. 1973. On study of fauna of acaroid mites (Acaroidea) in Azerbaijan. – Izv. Akad. Nauk Az SSR, Ser Biol. Nauk, 2: 93–94.

- Banks N. 1907. Catalogue of the Acarina, or Mites, of the United States. – Proc. U.S. National Museum, **32**(1553): 595–625.
- Berlese A. 1887. Acari, Myriopoda et Scorpiones hucusque in Italia reperta. – Padova, fasc. 37, No 9, 10.
- Bilal D.I.K. 2012. The first record of *Ornithocheyletia hallae* Smiley, 1970 (Acariformes: Actinotinedida: Cheyletidae) and its prevalence on *Pseudolynchia canariensis* (Mcquart, 1840) (Diptera: Pupipara: Hippoboscidae) in Turkey. – Türkiye Parazitolojii Dergisi, **36**(3): 169–173.
- Bochkov A.V. 2000. *Syringophilus numidae* sp. n., a new species of quill mites (Acarina: Syringophilidae) ex *Numida meleagris* (Galliformes: Phasianidae) from South Africa. – Acarina, **8**(2): 103–104.
- Bochkov A.V. 2001. On systematics of mites of the genus *Syringophiloides* (Acarina: Syringophilidae) from the European part of Russia. – Parazitologiya, **35**(2): 149–154 (Russian, Summ. Engl.).
- Bochkov A.V., D. Apanaskevich. 2001. Two new species of the family Syringophilidae (Acari: Cheyletoidea) from passeriform birds collected in the Altai. – Folia Parasitologica, **48**: 321–325.
- Bochkov A.V., D.V. Chistyakov. 2001. Description of *Charadriophilus lyudmilae* gen. et sp. n. (Acari: Syringophilidae) from *Scolopax rustica* (Aves: Scolopacidae) in NW Russia. – Zoosystematica Rossica, **9**(2): 2000: 295–297.
- Bochkov A. V., A. Fain. 2003. New and little known species of the family Syringophilidae (Acari: Cheyletoidea) from parrots (Aves: Psittaciformes). – Acarina, **11**(1): 1–8.
- Bochkov A. V., A. Fain, M. Skoracki. 2004. New quill mites of the family Syringophilidae (Acari: Cheyletoidea). – Systematic Parasitology, **57**: 135–150.
- Bochkov A. V., M. Flannery, G. Spicer. 2009. Mites of the genus *Torotrogla* (Prostigmata: Syringophilidae) from North American Passerines. – J. Med. Entomol., **46**(2): 183–197.
- Bochkov A. V., T.D. Galloway. 2001. Parasitic cheyletoid mites (Acari: Cheyletoidea) associated with passeriform birds (Aves: Passeriformes) in Canada. – Canadian Journal of Zoology, **79**: 2014–2028.
- Bochkov A. V., T.D. Galloway. 2004. New species and records of cheyletoid mites (Acari: Cheyletoidea) from birds in Canada. – Journal of the Kansas Entomological Society, **77**: 26–44.
- Bochkov A. V., S.V. Mironov. 1998. Quill mites of the family Syringophilidae Lavoipierre, 1953 (Acariformes: Prostigmata) parasitic on birds (Aves) of the fauna of the former USSR. – Acarina, **6**(1–2): 3–16.
- Bochkov A. V., S.V. Mironov. 1999. New quill mite species of the family Syringophilidae (Acari: Cheyletoidea) from the European part of Russia. – Acarina, **7**(1): 35–45.
- Bochkov A. V., S.V. Mironov, N.T. Kravtsova. 2000. Two new syringophilid mites from the Green finch *Carduelis chloris* (Passeriformes: Fringillidae) from Kirghizia. – Genus, **11**: 351–358.
- Bochkov A. V., S.V. Mironov, M. Skoracki. 2002. Four new quill mite species of the genus *Syringophilopsis* Kethley, 1970 (Acariformes: Prostigmata). – Acarina, 2001, **9**(2): 233–239.
- Bochkov A.V., T. Perez. 2002. New quill mites of the family Syringophilidae (Acari: Cheyletoidea) parasitizing Mexican parrots. – Belgian J. of Entomology, **4**: 145–159.

- Bochkov A.V., K. Skirnisson, K. 2011. Description of the life stages of quill mite *Mironovialagopus* sp. nov. (Acari: Syringophilidae) parasitizing the rock ptarmigan *Lagopus muta* (Phasianidae) from Iceland. – Parasitological Research, **108**: 715–722.
- Bochkov A.V., M. Skoracki, S. Hendricks, G.S. Spicer. 2011. Further investigations of mite genus *Syringophiloidus* (Acariformes: Syringophilidae) from North American Passerines. – Systematic Parasitology, **79**(3): 201–211.
- Bochkov A. V., G. Williams, H. Proctor. 2005. First record of *Picobia zumpti* (Acari: Syringophilidae) from quills of the rock pigeon in North America and description of the male. – Belgian J. of Entomology, **7**: 121–127.
- Broda L., M. Dabert, E. Glowska. 2016. *Aulonastus similis* n.sp., a new quill mite species (Syringophilidae) parasitizing passeriform birds (Tyrannidae and Cardinalidae) in Mexico. – Systematic Parasitology, **93**(7): 715–719.
- Brown N. Sandra. 1971. A survey of the Arthropod parasites of pigeons (*Columba livia*) in Boston. – J. Parasitol., **57**(6): 1379–1380.
- Brown N.S., G.I. Wilson. 1975. A comparison of the ectoparasites of the house sparrow (*Passer domesticus*) from North America and Europe. – The American Midland Naturalist, **94**(1): 154–165.
- Casto S.D. 1973. A method for collection of the quill mite, *Syringophiloidus minor* (Berlese) (Prostigmata) from living birds. – J. of Medical Entomology – Honolulu, **10**: 524.
- Casto S.D. 1974a. Quill wall thickness and feeding of *Syringophiloidus minor* (Berlese)(Acarina: Syringophilidae). – Annals of the Entomological Society of America, **67**: 824.
- Casto S.D. 1974b. A nocturnal dispersal rhythm in the quill mite, *Syringophiloidus minor* (Berlese)(Prostigmata: Syringophilidae). – J. Med. Entomol., **10**: 113–114.
- Casto S.D. 1974c. Entry and exit of syringophilid mites (Acarina: Syringophilidae) from the lumen of the quill. – Wilson Bull., **86**(3): 272–278.
- Casto S.D. 1974d. Observations on the karyotype and maturation of the F1 generation of *Syringophiloidus minor* (Acarina: Syringophilidae). – Ann. Ent. Soc. of America, **67**: 136–137.
- Casto S.D. 1975a. Generation time of male quill mites (*Syringophiloidus minor*) (Berlese)(Acarina: Syringophilidae). – Am. Midland Nat., **93**: 495–498.
- Casto S.D. 1975b. Mortality in the quill mite, *Syringophiloidus minor* (Acarina: Syringophilidae). – Ann. Entomol. Soc. Am., **68**: 551–552.
- Casto S.D. 1975c. The effect of the postjuvenile molt in the house sparrow on infestations of the quill mite, *Syringophiloidus minor* (Berlese)(Acarina: Syringophilidae). – J. Med. Entomol., **12**: 23–27.
- Casto S.D. 1976a. Host records and observations of quill mites (Acarina: Syringophilidae) from Texas birds. – Southw. Entomol., **1**(4): 155–160.
- Casto S.D. 1976b. Dispersal of the quill mite *Syringophiloidus minor* (Berlese)(Acarina: Syringophilidae). – J. Med. Entomol., **13**: 357–360.
- Casto S.D. 1977. *Cuculiphilus lobatus* gen. n., sp. n. representing a new subfamily of quill mites (Acarina: Syringophilidae) from the groove-billed ani, *Crotophaga sulcirostris* (Cuculiformes: Cuculidae). – Southwestern Naturalist, **22**(2): 169–176.

- Casto S.D. 1978. A new name for *Cuculiphilus* (Acarina: Syringophilidae). – Southwestern Naturalist, **23**: 158.
- Casto S.D. 1979. A new syringophilid mite from the white-winged dove. – Tex. J. Sci., **31**: 225–229.
- Casto S.D. 1980a. A new genus of syringophilid mites from galliform birds in Texas. – Tex. J. Sci., **32**(3): 233–240.
- Casto S.D. 1980b. A new quill mite (Acarina: Syringophilidae) from the ground dove. – Southw. Entomol., **5**(1): 1–5.
- Chirov P.A., N.T. Kravtsova. 1995. [A new genus and new species of mites of the family Syringophilidae]. – Parazitologiya, **29**(5): 370–379 (in Russian).
- Clark G.M. 1964. The acarine genus *Syringophilus* in North American birds. – Acarologia, **6**(1): 77–92.
- Domrow R. 1991. Acari Prostigmata (excluding Trombiculidae) Parasitic on Australian Vertebrates: an Annotated Checklist, Keys and Bibliography. – Invertebr. Taxon., **4**: 1283–1376.
- Dubinin W.B. 1957. [A new classification of the mites of the superfamilies Cheyletoidea W. Dub. and Demodicoidea W. Dub. (Acariformes, Trombidiformes)]. – Parazitologicheskii sbornik, Zool. Inst. AN S.S.S.R., **17**: 17–136 (in Russian).
- Dubinina E.V. 1987. Family Syringophilidae: 300–301. In: Soboleva R.G.[Ed.] [Insects and Acari of the Far East of medical and veterinary importance], Nauka, Leningrad : 1–309.
- Ewing H.E. 1911. Predaceous and parasitic Acarina. – Psyche, **18**: 37–43.
- Fain A., A.V. Bochkov, S.V. Mironov. 2000. New genera and species of quill mites of the family Syringophilidae (Acari: Prostigmata). – Bull. Inst. Royal des Sciences Naturelles de Belgique (Entomology), **70**: 33–70.
- Filimonova S.A. 2008. Peculiarities of the internal anatomy in the mite family Syringophilidae by the example of *Syringophilopsis fringilla*--a parasite of chaffinch. – Parazitologiya, **42**(5): 395–404.
- Filimonova S.A. 2009. The ultrastructural investigation of the midgut in the quill mite *Syringophilopsis fringilla* (Acari, Trombidiformes: Syringophilidae). – Arthropod structure & development, **38**(4): 303–313.
- Filimonova S.A., S.V. Mironov. 2010. Functional morphology of the gnathosoma in the quill mite *Syringophilopsis fringilla* Fritsch (Acari : Prostigmata : Syringophilidae). – Zool. Anzeiger, **249**: 165–180.
- Fritsch W. 1958. Die Milbengattung *Syringophilus* Heller 1880 (Subordo Trombidiformes, Fam. Myobiidae Mégnin 1877). – Zool. Jb. Syst., **86**(3): 227–244.
- Głowska E. 2013. *Neoaulonastus grewlingi* sp.nov. (Prostigmata: Cheyletoidea: Syringophilidae) a new quill mite species parasitizing *Falcunculus frontatus* (Passeriformes: Falcunculidae) in Australia. – Acta Parasitologica, **58**(1): 18–20.
- Głowska E. 2014. New quill mites (Cheyletoidea : Syringophilidae) parasitizing tyrannid birds (Passeriformes: Tyrannidae) in Peru. – Zootaxa, **3814**(1): 139–145.

- Głowska E. 2015a. *Stibarokris annae* n. sp. from *Ciconia maguari* (Gmelin) (Ciconiiformes: Ciconiidae), a new species of quill mites (Acariformes: Syringophilidae). Exhibiting dimorphism of females. – Systematic Parasitology, **92**(1): 73–79.
- Głowska E. 2015b. *Stibarokris mariasi* sp. nov. – a new quill mite species (Acariformes: Syringophilidae) parasitizing *Puffinus pacificus* (Gmelin) (Procellariidae) on Johnston Atoll. Acta Parasitologica, **60**(4): 614–617. <https://doi.org/10.1515/ap-2015-0086>
- Głowska E., L. Broda, C.A. Gebhard, J. Dabert. 2016. A new quill mite *Syringophiloidus plocei* sp. nov. (Prostigmata: Syringophilidae) parasitizing ploceid birds (Passeriformes) in Gabon – a combined description using morphology and DNA barcode data. – Acta Parasitologica, **61**: 562–566.
- Głowska E., L. Broda, J. Dabert. 2019. Insight into the species diversity of the quill mite genus *Betasyringophiloidus* Skoracki, 2011 (Prostigmata: Syringophilidae) on the basis of the DNA barcodes. – Folia Parasitologica, **66**: 009.
- Głowska E., M. Chrzanowski, K. Kaszewska. 2015. Checklist of the Quill mites (Acariformes: Syringophilidae) of the World. – Zootaxa, **3968**(1): 1–81.
- Głowska E., A. Dragun-Damian, J. Dabert. 2012. *Picobia dziabaszewskii* sp. nov. (Acari, Syringophilidae)—combined description (morphology with DNA barcode data) of a new quill mite species parasitizing *Garrulax formosus* (Passeriformes: Leiothrichidae). – Zootaxa, **3224**: 57–61.
- Głowska E., A. Dragun-Damian, J. Dabert. 2012. A new quill mite *Syringophiloidus pseudonigritae* sp. nov. (Prostigmata, Syringophilidae) parasitizing *Pseudonigrita arnaudi* (Passeriformes, Ploceidae) – a combined description using morphology and DNA barcode data. – Zootaxa, **3532**: 64–68.
- Głowska E., Z.K. Filutowska, M. Dabert, M. Gerth. 2020. Microbial composition of enigmatic bird parasites: *Wolbachia* and *Spiroplasma* are the most important bacterial associates of quill mites (Acariformes: Syringophilidae). – Microbiologyopen, **9**(5): e964. doi: 10.1002/mbo3.964.
- Głowska E., I. Laniecka. 2012. *Syringophilopsis davidi* sp. nov. (Prostigmata, Syringophilidae) a new quill mite species parasitizing *Calandrella brachydactyla* (Passeriformes, Alaudidae) in Egypt. – Acta Parasitologica, **57**(4): 385–387.
- Głowska E., I. Laniecka. 2013. Two new quill mite species (Prostigmata: Syringophilidae) parasitizing Australian birds. – Zootaxa, **3670**(3): 385–390.
- Głowska E., I. Laniecka. 2014. A new quill mite species *Neopicobia hepburni* sp. nov. (Cheyletoidea: Syringophilidae) parasitizing picid birds (Piciformes: Picidae) in Peru. – Acta Parasitologica, **59**: 635–637.
- Głowska E., I. Laniecka, Ch.M. Milensky. 2015. Two new picobiiin mite species (Acari: Cheyletoidea: Syringophilidae) parasitizing passerine birds in Guyana. – Acta Parasitologica, **60**(3): 488–493.
- Głowska E., I. Laniecka, K. Romanowska. 2018. A new quill mite *Torotroglia emberizae* sp. nov. (Acariformes: Syringophilidae) from the Chestnut-eared Bunting (Passeriformes: Emberizidae) in Japan (morphology and DNA barcode data). – Acta Parasitologica, **63**(4): 791–794.

- Głowska E., C. Milensky. 2014. New species of the genus *Picobia* (Cheyletoidea: Syringophilidae) parasitizing tyrannid birds (Passeriformes: Tyrannidae) in Gabon. – *Zootaxa*, **3821**(3): 373–383..
- Głowska E., K. Romanowska, B.K. Schmidt, M. Dabert. 2018. Combined description (morphology with DNA barcode data) of a new quill mite *Torotrogla paenae* n. sp. (Acariformes: Syringophilidae) parasitising the Kalahari scrub-robin *Cercotrichas paena* (Smith) (Passeriformes: Muscicapidae) in Namibia. – *Systematic Parasitology*, **95**(8–9): 863–869.
- Głowska E., B.K. Schmidt. 2014a. New taxa of the subfamily Picobiinae (Cheyletoidea: Syringophilidae) parasitizing antbirds and gnateaters (Passeriformes: Thamnophilidae, Conopophagidae) in Guyana. – *Zootaxa*, **3861**(2): 193–200.
- Głowska E., B.K. Schmidt. 2014b. New quill mites (Cheyletoidea: Syringophilidae) parasitizing the black-headed paradise-flycatcher *Terpsiphone rufiventer* (Passeriformes: Monarchidae) in Gabon. – *Zootaxa*, **3786**(1): 57–64.
- Głowska E., M. Skoracki. 2009. Anomalous in chaetotaxy of the quill mites *Torotrogla merulae* Skoracki et al., 2000 (Acari: Prostigmata: Syringophilidae). – *Acta Parasitologica*, **54**: 364–367.
- Głowska E., M. Skoracki. 2010. *Meitingsunes*, a new genus of quill mites (Acari: Cheyletoidea: Syringophilidae). – *Zootaxa*, **2514**: 61–67.
- Głowska E., M. Skoracki. 2011a. New species of quill mites (Acari, Cheyletoidea, Syringophilidae) and the first record of male for the genus *Stibarokris*. – *Zootaxa*, **2817**: 63–68.
- Głowska E., M. Skoracki. 2011b. Two new quill mite species (Acari, Cheyletoidea, Syringophilidae) parasitizing *Dinemellia dinemelli* (Rüppell) (Passeriformes, Ploceidae). – *Zootaxa*, **3114**: 63–68.
- Głowska E., M. Skoracki, F. Khourly. 2007. A new species and new records of syringophilid mites (Acari: Prostigmata: Syringophilidae) from birds of Jordan. – *Zootaxa*, **1635**: 63–68.
- Goff M. Lee. 1982. Syringophilidae mites. – *Proc. Hawaii. Ent. Soc.*, **24**(1), 1979: 13.
- Grandjean F. 1944. Observations sur les acariens de la famille Stigmaeidae. – *Archives des Sciences Physiques et Naturelles*, **26**: 103–131.
- Gritsenko E.F. 1969. [Biology and ecology of the quill mite *Syringophilus bipectinatus* Heller, 1880]. – Avtoreferat Dissert. Doc. Biol. Nauk, Stavropol, 17 p. (in Russian).
- Gritsenko E.F. 1973. The biology and ecology of the quill mite *Syringophilus bipectinatus* Heller, 1880. – *Proc. 3rd Intern. Congress of Acarology*, Prague, 1971: 515–516.
- Grossi A.A., H. C. Proctor. The Distribution of Quill Mites (*Betasyringophiloides seiuri*) Among Flight Feathers of the Ovenbird (*Seiurus aurocapilla*). – *J. Parasitol.*, **106**(1): 82–89.
- Haller G. 1878. *Freyana* und *Picobia*. – *Zeit. wiss. Zool.*, Siebold und Kolliker, Leipzig, **30**: 81–98.
- Hancock J. L. 1895. A new Trombidian. – *Amer. Nat.*, **29**: 382–385.
- Hancock J. L. 1898. *Picobia villosa* (Hancock). – *Amer. Nat.*, **29**: 866–867.
- Heller A. 1880. Die Schmarotzer. – München und Leipzig: 186–188.

- Hirst S. 1920. Notes on Acari parasitic on birds with descriptions of two new species. – Ann. Mag. Nat. Hist., **6**: 121–122.
- Hirst S. 1922. Mites injurious to domestic animals. – Brit. Mus. Econ. Series, **13**: 1–107.
- Hood D.E., H.E. Welch. 1980. A seasonal study of the parasites of the red-winged blackbird 537.
- Hromada M., M. Klimovičova. 2015. From dusty collections to descriptions of new species – birds in Sarisske Museum Bardejov as valuable source for investigating mite biodiversity. – Folia Oecologica, Prešov, 98–108.
- Hromada M., M. Klimovičova, M. Unsold, M. Skoracki. 2016. Host-parasite relationships in the system composed by cuckoos and quill mites. – Syst. and Applied Acarology, **21**(4): 528–536.
- Hwang J.C. 1959. Case reports of the quill mite, *Syringophilus bipectinatus*, in poultry. – Proc. Helminthol. Soc. Wash. D.C., **26**: 47–50.
- Jones J. 1968. Some parasites of the common crow, *Corvus brachyrhynchos* Brehm, from Ohio. – The Ohio J. of Science, **68**(1): 25–31.
- Johnson D.E., J.B. Kethley. 1973. A numerical phenetic study of the quill mites of the family Syringophilidae (Acari). – J. Parasitol., **59**(3): 520–530.
- Kaszewska K., K. Kavetska, M. Skoracki. 2014. Two new species of quill mites of the family Syringophilidae (Acariformes: Cheyletoidea) associated with treronine doves (Columbiformes: Treroninae). – Zootaxa, **3846**: 293–300.
- Kaszewska K., M. Skoracki. 2018. Two new quill mite species of the genus *Psittaciphilus* Fain, Bochkov & Mironov, 2000 (Acariformes: Syringophilidae) associated with pigeons and doves (Columbiformes: Columbidae). – Systematic Parasitology, **95**(8): 953–958.
- Kaszewska K., M. Skoracki, M. Hromada. 2018. A review of the genus *Gunabopicobia* Skoracki and Hromada (Acariformes: Prostigmata: Syringophilidae) associated with birds of the order Columbiformes. – Intern. J. of Acarology, **44**(7): 288–299.
- Kaszewska K., M. Skoracki, J.Z. Kosicki, M. Hromada. 2020. New species and records of the quill mites of the genus *Peristerophila* Kethley, 1970 (Acariformes: Syringophilidae) associated with pigeons and doves (Aves: Columbiformes). – Zootaxa, **4878**(2): 349–361.
- Kaszewska K., M. Skoracki, K. Kavetska. 2016. Two new *Meitingsunes* species (Acari: Syringophilidae) from Indonesian doves (Columbiformes: Columbidae). – Zootaxa, **4109**(4): 479–486.
- Kaszewska K., M. Skoracki, K. Kavetska. 2020. The mites of the genus *Meitingsunes* Glowska and Skoracki (Acariformes: Syringophilidae) associated with pigeons and doves (Aves: Columbiformes): taxonomic studies with description of two new species. – International Journal of Acarology, **46**(6): 1–7.
- Kethley J.B. 1970a. A revision of the family Syringophilidae (Prostigmata: Acarina). – Contrib. Amer. Entomol. Inst., **5**(6): 1–76.
- Kethley J.B. 1970b. Population regulation in quill mites (Acarina: Syringophilidae). – Ecology, **52**: 1113–1118.
- Kethley J. B. 1973a. Population regulation in quill mites (Acarina: Syringophilidae). – Proc. 3rd Intern. Congress of Acarology, Prague, 1971: 781.

- Kethley J.B. 1973b. A new genus and species of quill mites (Acarina: Syringophilidae) from *Colinus virginianus* (Galliformes: Phasianidae) with notes on developmental chaetotaxy. – *Fieldiana Zool.*, **65**(1): 1–8.
- Kivganov D.A., G.S. Sharafat. 1995. Review of the family Syringophilidae (Acari) with the description of new genera and species. – *Zool. Zhurnal*, **74**(4): 82–91 (in Russian).
- Klimovičová M., M. Hromada. 2014. New hosts and localities of quill mites (Acari: Syringophilidae) parasitising birds in Slovakia. – *Folia Oecologica*, Prešov, **11**: 31–39.
- Klimovičová M., P. Mikula, N. Kahure, M. Hromada. 2014a. A review of quill mites (Acari: Syringophilidae) parasitising Kenyan birds. – *Zootaxa*, **3857**(4): 571–580.
- Klimovičová M., R. Smolák, M. Hromada. 2014b. A new species and new host records of the quill mites (Acari: Syringophilidae) associated with sunbirds (Passeriformes: Nectariniidae). – *Acta Parasitologica*, **59**(2): 255–258.
- Klimovičová M., M. Skoracki, M. Hromada. 2016. Two new species of quill mites (Acari: Syringophilidae) associated with the Chestnut-fronted Helmetshrike *Prionops scopifrons* (Peters)(Passeriformes: Fangidae) in Kenya. – *Zootaxa*, **4137**(4): 578–584.
- Klimovičová M., M. Skoracki, P. Njoroge, M. Hromada. 2016. Two New Species of the Family Syringophilidae (Prostigmata: Syringophilidae) Parasitising Bushshrikes (Passeriformes: Malaconotidae). – *Journal of Parasitology*, **102**(2):187–192.
- Lavoipierre M.M. 1953. The undescribed male and female of the pigeon quill mite, *Syringophilus columbae*, Hirst 1920. – *Trans. Roy. Soc. Trop. Med. Hygiene*, **47**: 7.
- Lawrence R.F. 1959. New mites parasites of African birds (Myobiidae, Cheyletidae). – *Parasitology*, **49**(3–4): 416–438.
- Leonovich S.A., S.A. Filimonova. 2017. The quill mite *Syringophilopsis fringilla* (Fritsch) (Acari: Trombidiformes: Syringophilidae): the structure of sensory organs providing feeding of the parasite in the feather quill. – *Entomol. Review*, **97**(3): 383–394.
- Liu Bai-li. 1988. On three species of quill mites from China (Acari: Syringophilidae). – *Acta Zootaxonomica Sinica*, **13**: 274–277.
- Lukoschus F.S., H.A.P.M. Lombert. 1979. Parasites of Western Australia VII: Observation on Quill Wall Mites (Acarina: Astigmata). – *Western Australian Museum*, **7**(3): 265–327.
- Marciniak N., M. Skoracki, M. Hromada. 2019a. Quill mites of the family Syringophilidae (Acariformes: Prostigmata) associated with Cockatoos (Psittaciformes: Cacatuidae). – *Zootaxa*, **4565**(2): 190–200.
- Marciniak N., M. Skoracki, M. Hromada. 2019b. *Peristerophila nestoriae*, a new species of quill mite of the family Syringophilidae (Acariformes: Prostigmata) parasitizing New Zealand Kaka *Nestor meridionalis* (Gmelin)(Psittaciformes: Strigopidae). – *New Zealand Journal of Zoology*. <http://doi.org/10.1080/03014223.2019.1607406>
- Michalik J., M. Skoracki, B. Sikora. 2005. Quill mites (Acari: Syringophilidae); a new vector of bacterial zoonotic pathogens circulating in an enzootic avian cycle? In: Buczek A., Blaszak C. (eds) *Arthropods, a variety of forms and interactions*. Pp. 91–105.
- Nattress B., M. Skoracki. 2007. Quill mites of the family Syringophilidae Lavoipierre, 1953 parasitic on birds in England (Acari: Cheyletoidea). – *Genus*, **18**(1): 139–145.

- Nattress B., M. Skoracki. 2007. A new species and further records of quill mites (Acari: Cheyletoidea: Syringophilidae) parasitic on birds (Aves) in England. – *Zootaxa*, **2133**: 49–54.
- Oudemans A.C. 1904a. Acarologische Aanteekeningen, XIII. – *Entomol. Ber.*, **1**(19): 171.
- Oudemans A.C. 1904b. Acarologische Aanteekeningen, XIV. – *Entomol. Ber.*, **1**(20): 190–191.
- Oudemans A.C. 1906. Révision des Chélétinés. – *Mém. Soc. Zool. France*, **19**: 36–144.
- Philips J.R., R.A. Norton. 1978. *Bubophilus ascalaphus* gen. et sp. n. (Acarina: Syringophilidae) from the quills of a great horned owl (*Bubo virginianus*). – *J. Parasitol.*, **64**(5): 900–904.
- Pidhorna S.Y., K.J. Chernychko, D.A. Kivganov, V.A. Trach, O.F. Deli. 2020. New and interesting records of quill mites (Acari: Prostigmata: Syringophilidae) of passerine birds of southwestern Ukraine. – *Persian Journal of Acarology*, **9**(3): 213–223.
- Pires E.O., E. Daemon. 2007. Biological and ecological aspects of quill mites, parasites of domestic *Gallus gallus domesticus* (Aves, Phasianidae) from rusting breeding locations in the municipality of Juiz de Fora, Minas Gerais, Brasil. – *Revista Brasileira de Zoociencias*, **9**: 95–102.
- Poppe S.A. 1887. Über parasitische Milben. – *Abhandl. Nat. wiss. Ver. Bremen*, **10**: 205.
- Radford C. D. 1953. The mites (Acarina: Analgesidae) living on or in the feathers of birds. – *Parasitology*, **43**: 199–230.
- Rebrassier R.E., E. Martin. 1932. *Syringophilus bipectinatus*, a quill mite of poultry. – *Science*, **76**: 128.
- Schmäscke R., M. Sachse, K. Eulenberger, R. Schöne. 2003. Quill mites – little-known parasites of Birds. – *Verh. Ber. Erkr. Zootiere, Rom*: 127–133.
- Schmidt K., M. Skoracki. 2007. A new name for *Syringonomus* Kethley, 1970 (Acari: Prostigmata: Syringophilidae) not Hope et Murphy, 1969. – *Genus*, **18**: 545.
- Schwabe O. 1956. A quill mite of poultry – a case report. – *J. of the American Veterinary & Medical Association*, **129**: 481–482.
- Sikora B., M. Fajfer, K. Kavetska, M. Skoracki. 2012. Three new species of quill mites (Acari: Syringophilidae) parasitizing the wrens (Aves: Troglodytidae). – *Zootaxa*, **3167**: 57–65.
- Sikora B., M. Fajfer, M. Skoracki. 2011. Quill mites (Acari: Syringophilidae) from mimid birds (Aves: Mimidae). – *Zootaxa*, **3027**: 29–38.
- Sikora B., K. Kaszewska, M. Skoracki. 2014. Two new quill mites of the family Syringophilidae (Acari: Prostigmata) parasitising the tapaculos (Passeriformes: Rhinocryptidae) in South America. – *Zootaxa*, **3895**(3): 419–426.
- Sikora B., M. Unsoeld, M. Skoracki. 2016. *Aulonastus paridus* spec. nov. – a parasite of two bird species of the genus *Melaniparus* in Kenya and Tanzania. – *Spixiana*, **39** (2): 149–152.
- Skoracki M. 1999a. New genus and species of Syringophilidae from Eurasian reed-warbler, *Acrocephalus scirpaceus* (Sylviidae: Passeriformes) (Acari: Prostigmata). – *Genus (Wrocław)*, **10**(1): 155–162.
- Skoracki M. 1999b. *Syringophilus bipectinatus* Heller, 1880 i *Syringophilopsis troglodytis* (Fritsch, 1958); (Acari: Prostigmata: Syringophilidae), gatunki roztoczy nowe dla fauny Polski. – *Przegląd Zoologiczny*, **43**(3–4): 183–184.
- Skoracki M. 2002a. Three new species of quill mites of the genus *Aulonastus* Kethley, 1970 (Acari: Prostigmata: Syringophilidae) from passerine birds. – *Acta Parasitologica*, **47**(4): 300–305.

- Skoracki M. 2002b. Three new species of the ectoparasitic mites of the genus *Syringophiloidus* Kethley, 1970 (Acari: Syringophilidae) from passeriform birds from Slovakia. – *Folia Parasitologica*, **49**: 305–313.
- Skoracki M. 2004a. A new name for *Dissonus* Skoracki, 1999 not Wilson, 1906 (Acari: Prostigmata: Syringophilidae). – *Genus*, **15**(3): 445–446.
- Skoracki M. 2004b. A review of quill mites of the genus *Syringophiloidus* Kethley, 1970 parasitizing quills of passeriform birds, with descriptions of four new species (Acari: Prostigmata: Syringophilidae). – *Genus*, Wroclaw, **15**(2): 281–300.
- Skoracki M. 2004c. Quill mites of the genus *Syringophilopsis* (Acari, Syringophilidae) from passeriform birds of Poland with descriptions of five new species. – *Acta Parasitologica*, **49**(1): 45–62.
- Skoracki M. 2004d. New data on systematics of the quill mites of the genus *Torotrogla* Kethley, 1970 (Acari, Syringophilidae). – *Belg. J. Entomol.*, **6**: 303–314.
- Skoracki M. 2005a. A new genus of ectoparasitic mites of the family Syringophilidae (Acari, Cheyletoidea) from the treeswifts (Apodiformes, Hemiprocnidae). – *Acta Parasitologica*, **50**(4): 336–343.
- Skoracki M. 2005b. A review of the quill mites (Acari: Syringophilidae) parasitizing parrots (Aves: Psittaciformes) with description of three new species. – *Acarina*, **13**(2): 127–136.
- Skoracki M. 2005c. A new genus and species of quill mites (Acari: Syringophilidae) from a king bird-of-paradise *Cicinnurus regius* (L.). – *Systematic Parasitology*, **60**: 155–158.
- Skoracki M. 2008a. *Crotophagisyringophilus* n.g. (Acari: Syringophilidae), a new genus of parasitic quill mites. – *Syst. Parasitol.*, **71**(1): 75–80.
- Skoracki M. 2008b. A new genus of syringophilid mites (Acari: Cheyletoidea: Syringophilidae) from cuculiform birds (Aves: Cuculiformes). – *Folia parasitologica*, **55**: 155–158.
- Skoracki M. 2008c. Description of two new quill mite species (Acari: Syringophilidae). – *Acarina*, **16**(1): 45–50.
- Skoracki M. 2011. Quill mites (Acari: Syringophilidae) of the Palaearctic region. – *Zootaxa*, **2840**: 1–414.
- Skoracki M. 2017. Quill mites (Acariformes: Syringophilidae) associated with birds of Mexico. – *Zootaxa*, **4282**(1):179. .
- Skoracki M., M. Antczak, J. Riegert, D. Fainová, V. Mikeš. 2009. New species and new records of quill mites (Acari: Syringophilidae) inhabiting African passerins (Aves: Passeriformes). – *Acta Zool. Acad. Sci. Hungaricae*, **55**(2): 123–137.
- Skoracki M., C. Blaszkak, R. Ehrnsberger. 2002. Die Milben in der Zoologischen Staatssammlung München. Teil 1. Familie Syringophilidae (Acari: Prostigmata: Cheyletoidea). – *Spixiana*, **25**: 97–99.
- Skoracki M., A.V. Bochkov. 2002. A new quill mite species *Bubophilus asiobius* sp. n. (Acari: Syringophilidae) from the Long-eared Owl *Asio otus* (Strigiformes: Strigidae). – *Genus*, **13**(1): 141–144.
- Skoracki M., A.V. Bochkov. 2010. Syringophilid mites (Acari: Syringophilidae) of Kazakhstan. – *Zootaxa*, **2549**: 52–68.

- Skoracki M., A.V. Bochkov, B.M. OConnor. 2011. Notes on syringophilid mites (Acariformes: Syringophilidae) from aquatic birds in North America. – *Acta Parasitologica*, **56**(3): 325–330.
- Skoracki M., A.V. Bochkov, G. Wauthy. 2004. Revision of the quill mites of the genus *Picobia* Haller, 1878 (Acari: Syringophilidae) with notes on their host-parasites relationships. – *Insect Syst. Evol.*, **35**: 155–176.
- Skoracki M., J. Dabert. 1999a. New species of Syringophilidae from African birds (Acari: Prostigmata). – *Genus*, **10**(3): 523–527.
- Skoracki M., J. Dabert. 1999b. A new species of the genus *Syringophilopsis* Kethley, 1970 (Acari: Prostigmata: Syringophilidae) from the Tree Pipit *Anthus trivialis* (Passeriformes: Motacillidae). – *Acarina*, **7**(2): 89–92.
- Skoracki M., J. Dabert. 2000. *Syringophilopsis albicollisi*, a new species of the quill mite of the family Syringophilidae Lavoipierre, 1953 (Acari: Prostigmata). – *Acarina*, **8**(1): 59–63.
- Skoracki M., J. Dabert. 2001a. Two new species of the parasitic mites of the genus *Aulobia* Kethley, 1970 (Acari: Syringophilidae) from African birds. – *Acta Parasitologica*, **46**(3): 208–215.
- Skoracki M., J. Dabert. 2001b. The quill mites of the genus *Syringophilopsis* (Kethley, 1970) from African birds. – *Acarina*, **9**(1): 105–112.
- Skoracki M., J. Dabert. 2002. A review of parasitic mites of the family Syringophilidae (Acari: Prostigmata) from African birds, with description of four new species. – *Acta Parasitologica*, **47**(2): 137–146.
- Skoracki M., J. Dabert, R. Ehrnsberger. 2000. A new quill mite (Acari: Syringophilidae) from the Blackbird. – *Osnabr. Naturwissensch. Mitt.*, **26**: 191–198.
- Skoracki M., J. Dabert, R. Schmäscke. 2006. Observations on the quill mites (Acari: Syringophilidae) from charadriiform birds. – *Zootaxa*, **1156**: 51–64.
- Skoracki M., M. Flannery, G. Spicer. 2008. Quill mites of the genus *Syringophilopsis* Kethley, 1970 (Acari: Syringophilidae) from North American birds. – *Folia parasitologica*, **55**: 291–300.
- Skoracki M., M. Flannery, G. Spicer. 2009. New data on systematics of the quill mites of the genus *Syringophiloides* Kethley, 1970 (Acari, Syringophilidae) from North American birds. – *Acta Parasitologica*, **54**(1): 64–72.
- Skoracki M., E. Glowska. 2008a. Two new species of the quill mite genus *Aulobia* Kethley, 1970 (Acari, Syringophilidae) associated with sunbirds (Passeriformes, Nectariniidae). – *Acta Parasitologica*, **53**(2): 179–185.
- Skoracki M., E. Glowska. 2008b. Quill mites (Acari: Syringophilidae) associated with columbiform birds. – *Genus*, **19**(1): 151–160.
- Skoracki M., E. Glowska. 2008c. Two new species of the genus *Picobia* Haller (Acari: Syringophilidae) from Australian and Indonesian passeriform birds. – *New Zealand J. of Zoology*, **35**: 281–286.
- Skoracki M., E. Glowska, A.V. Bochkov. 2013. Phylogeny of quill mites of the family Syringophilidae (Acari: Prostigmata) based on their external morphology. – *European J. of Entomology*, **110**: 663–675.

- Skoracki M., E. Glowska, J. Lontkowski, T. Stawarczyk. 2010. *Picobia ictericus* sp. n., an ectoparasite of two icterid bird species from Brazil (Acari: Prostigmata: Syringophilidae). – Genus, Wrocław, **21**(1): 143–148.
- Skoracki M., E. Glowska, B. Sikora. 2008. Four new species of the quill mite genus *Picobia* Heller, 1889 (Acari: Syringophilidae) parasitizing birds in the Australian Region. – Zootaxa, **1961**: 58–68.
- Skoracki M., G. Hebda. 2004. Quill mites (Acari: Syringophilidae) from *Aegithalos caudatus* (Passeriformes: Aegithalidae). – Zootaxa, **691**: 1–6.
- Skoracki M., S.A. Hendricks, G.S. Spicer. 2010a. Systematics of the ectoparasitic quill mites of the genus *Aulobia* Kethley, 1970 (Acari: Syringophilidae) with the description of a new species. – Zootaxa, **2399**: 31–41.
- Skoracki M., S.A. Hendricks, G.S. Spicer. 2010b. New species of parasitic quill mites of the genus *Picobia* (Acari: Syringophilidae: Picobiinae) from North American birds. – J. of Medical Entomology, **47**(5): 727–742.
- Skoracki M., S.A. Hendricks, G.S. Spicer. 2010c. Four new species of *Aulonastus* Kethley, 1970 (Acari: Syringophilidae) from North American passerines. – Systematic Parasitology, **76**: 131–144.
- Skoracki M., S.A. Hendricks, G.S. Spicer. 2011. Systematics of the genus *Syringophilopsis* Kethley, 1970 (Acari: Prostigmata: Syringophilidae) with description of three new species from North American passerines. – Zootaxa, **2793**: 1–22.
- Skoracki M., M. Hromada. 2013. A review of picobiine mites (Acari: Syringophilidae: Picobiinae) parasiting African birds. – Folia Parasitologica, **60**: 192–212.
- Skoracki M., M. Hromada, K. Kaszewska, B. Sikora. 2020. Females of the quill mite genera *Peristerophila* and *Castosyringophilus* (Acariformes: Syringophilidae) are two morphological forms: ontogenetic and population evidences. – Systematic & Applied Acarology, **25**(10):1803–1820.
- Skoracki M., M. Hromada, K. Kaszewska, M. Unsoeld. 2018. *Peristerophila falcophila* sp. nov., a new species and first record of quill mites (Acariformes: Syringophilidae) parasitizing birds of the order Falconiformes. – Acta Parasitologica, **63**(4): 744–749.
- Skoracki M., M. Hromada, L. Kuczyński. 2001. *Torotrogla lullulae*, a new species of the family Syringophilidae Lavoipierre 1953 (Acari: Prostigmata: Cheyletoidea). – Genus, **12**(1): 87–92.
- Skoracki M., M. Hromada, P. Pervuznakova, W. Wamiti. 2019. Mites of the family Syringophilidae (Acariformes: Cheyletoidea) parasitizing waxbills of the genus *Estrilda* (Passeriformes: Estrildidae). – Systematic and applied acarology, **24**(9): 1799–1808.
- Skoracki M., M. Hromada, B. Sikora. 2017. *Castosyringophilus meropis* sp. n. (Acariformes: Syringophilidae) – A new quill mite species parasitising the world population of *Merops apiaster* Linnaeus (Coraciiformes: Meropidae). – Folia parasitologica, **64**: 024.
- Skoracki M., M. Hromada, K. Kaszewska, B. Sikora. 2020. Females of the quill mite genera *Peristerophila* and *Castosyringophilus* (Acariformes: Syringophilidae) are two morphological forms: ontogenetic and population evidences. – Syst. & Applied Acarology, **25**(10): 1803–1820.

- Skoracki M., M. Hromada, B. Sikora. 2020. Quill mites of the family Syringophilidae (Acari-formes: Prostigmata) parasitizing coraciiform birds (Aves: Coraciiformes) – Zootaxa, **4802**(1): 169–181.
- Skoracki M., M. Hromada, P. Tryjanowski. 2001. Description of a new species of quill mite *Syringophiloidus weiszii* sp.n. (Acari: Prostigmata: Syringophilidae) from Great Grey Shrike *Lanius excubitor*. – Acta Parasitologica, **46**(1): 30–34.
- Skoracki M., M. Hromada, M. Unsoeld. 2013. Three new quill mite species of the genus *Neoaulonastus* Skoracki (Acari: Syringophilidae) parasitizing passerines in Tanzania. – Zootaxa, **3616**(4): 367–377.
- Skoracki M., M. Hromada, W. Wamiti. 2011. A new species and new host records of syringophilid mites (Acari: Syringophilidae) from passerines from Kenya. – Zootaxa, **2922**: 34–40.
- Skoracki M., M. Hromada, M. Zmudzinski, M. Unsoeld, B. Sikora. 2018. Parasitic quill mites of the Family Syringophilidae (Acari-formes: Prostigmata) associated with Sub-Saharan Sunbirds (Passeriformes: Nectariniidae): species composition and host-parasite relationships. – J. of Medical Entomology, **55**(6): 1464–1477.
- Skoracki M., K. Kaszewska, K. Kavetska. 2015. Two new species of the syringophilid quill mites (Acari: Prostigmata: Syringophilidae) parasitizing apodiform birds (Aves: Apodiformes). – Zootaxa, **4052**(5): 583–588.
- Skoracki M., K. Kaszewska, M. Unsoeld, M. Skorupski. 2015. First record of parasitic quill mites of the family Syringophilidae (Acari: Prostigmata: Cheyletoidea) on an avian representative of the order Caprimulgiformes. – International Journal of Acarology, **41**(2): 128–131.
- Skoracki M., K. Kavetska, M. Ozminski, B. Sikora. 2012. The morphology of juvenile stages of *Bubophilus aluconis* Nattress and Skoracki, 2009 (Acari: Syringophilidae) with a description of a male. – Annals of Parasitology, **58**: 37–48.
- Skoracki M., G. Kiljan. 2002. *Picobia paludicola* sp. n. a new species of quill mite (Acari: Prostigmata: Syringophilidae) from the Aquatic Warbler *Acrocephalus paludicola* (Passeriformes: Sylviidae). – Zootaxa, **91**: 1–6.
- Skoracki M., M. Klimovičová, M. Muchai, M. Hromada. 2014. New taxa of the family Syringophilidae (Acari: Prostigmata) from African barbets and woodpeckers (Piciformes: Lybiidae, Picidae). – Zootaxa, **3768**(2): 178–188.
- Skoracki M., J. Lontkowski, T. Stawarczyk. 2010. New taxa of the parasitic quill mites associated with accipitrid birds indicating close relationship of falconid birds to Psittaci-Columbi clade. – J. of Nat. History, **44**: 1203–1214.
- Skoracki M., W. Magowski. 2001. Two new species of quill mites of the genus *Picobia* (Acari: Prostigmata: Syringophilidae) from passerine birds of Poland. – Acarina, **9**(1) 113–119.
- Skoracki M., W. Magowski, J. Dabert. 2001. *Picobia polonica* sp. n. (Acari: Prostigmata: Syringophilidae), a new species of quill mite from the domestic hen, *Gallus gallus domesticus* (Aves: Phasianidae). – Folia Parasitologica, **48**: 154–158.

- Skoracki M., J. Michalik, B. Sikora. 2005. Habitat selection among the quill mites (Acari: Syringophilidae). In: Buczek A., Blaszak C. (eds) *Arthropods, a variety of forms and interactions*. Pp. 91–105.
- Skoracki M., J. Michalik, B. Sikora. 2010. Prevalence and habitat preference of quill mites (Acari: Syringophilidae) parasitizing forest passerine birds in Poland. – *Acta Parasitologica*, **55**(2): 188–193.
- Skoracki M., J. Michalik, B. Skotarczak, A. Rymaszewska, B. Sikora, T. Hofman, B. Wodecka, M. Sawczuk. 2006. First detection of *Anaplasma phagocytophilum* in quill mites (Acari: Syringophilidae) parasitizing passerine birds. – *Microbes and Infection*, **8**: 303–307.
- Skoracki M., S.V. Mironov. 2013. New species and records of quill mites of the family Syringophilidae (Acariformes: Prostigmata) from the passerines (Aves: Passeriformes) from the Russian Far East. – *Zootaxa*, **3641**: 554–564.
- Skoracki M., S.V. Mironov, S. Bermúdez. 2019. A new syringophilid mite (Acariformes: Syringophilidae) from manakins (Passeriformes: Pipridae) in Panama. – *Acarina*, **27**(2): 229–232.
- Skoracki M., S.V. Mironov, M. Unsoeld. 2013. The first records of quill mites of the family Syringophilidae (Acariformes: Prostigmata: Cheyletoidea) from trogoniform birds (Aves: Trogoniformes). – *Zootaxa*, **3701**: 291–297.
- Skoracki M., P. Møller, P. Tryjanowski. 2003. A new species of parasitic mites of the genus *Syringophiloides* Kethley 1970 (Acari: Syringophylidae) from the barn swallow *Hirundo rustica* Linnaeus, 1758. – *Parasite*, **10**: 17–20.
- Skoracki M., B. OConnor. 2010. New taxa of quill mites (Acari: Cheyletoidea: Syringophilidae). – *Zootaxa*, **2341**: 1–32.
- Skoracki M., B. OConnor, S.M. Goodman, N. Marciniak-Musial. 2016. New species and records of syringophilid mites (Acariformes: Syringophilidae) associated with Malagasy birds. – *Systematic and Applied Acarology*, **21**(10): 1534
- Skoracki M., K. Scibek, B. Sikora. 2012. New genus and three new species of quill mites (Acari: Syringophilidae: Picobiinae) parasitizing puffbirds (Aves: Piciformes). – *Folia Parasitologica*, **59**: 229–236.
- Skoracki M., B. Sikora. 2002. New ectoparasitic mites of the family Syringophilidae (Acari: Prostigmata: Cheyletoidea) associated with birds from Argentina. – *Zootaxa*, **27**: 1–8.
- Skoracki M., B. Sikora. 2003. Quill mites (Acari: Prostigmata: Syringophilidae) from African passeriform birds. – *Zootaxa*, **129**: 1–10.
- Skoracki M., B. Sikora. 2004a. *Tinamiphilopsis elegans* gen. nov. et sp. nov., a first record of the quill mites (Acari, Syringophilidae) from tinamou birds (Tinamiformes, Tinamidae). – *Acta Parasitologica*, **49**(4): 348–352.
- Skoracki M., B. Sikora. 2004b. A new genus and four new species of quill mites (Acari: Prostigmata: Syringophilidae) from phasianid birds (Galliformes: Phasianidae). – *Parasite*, **11**: 379–386.
- Skoracki M., B. Sikora. 2005. *Neosyringophilopsis*, a new genus of the subfamily Syringophilinae (Acari: Syringophilidae). – *Zootaxa*, **1052**: 21–28.

- Skoracki M., B. Sikora. 2008a. *Blaszakia*, a new genus of quill mites (Acari: Syringophilidae) parasitizing turacos (Aves: Musophagiformes). – *Annales Zoologici (Warszawa)*, **58**(2): 327–332.
- Skoracki M., B. Sikora. 2008b. *Terratosyringophilus reichholffi*, a new species of quill mites parasitizing the black-capped lory *Lorius lory* (L.) in New Guinea. – *Spixiana*, **31**(2): 195–198.
- Skoracki M., B. Sikora. 2011. Quill mites (Acari: Syringophilidae) associated with galliform birds (Aves: Galliformes). – *Zootaxa*, **2954**: 13–30.
- Skoracki M., B. Sikora. 2014. Two new quill mite species of the family Syringophilidae (Acari: Prostigmata) parasitizing the house sparrow *Passer domesticus* (L.) (Aves: Passeriformes). – *Zootaxa*, **3765**(2): 194–200.
- Skoracki M., B. Sikora, L. Jerzak, M. Hromada. 2020. *Tanopicobia* gen. nov., a new genus of quill mites, its phylogenetic placement in the subfamily Picobiinae (Acariformes: Syringophilidae) and picobiine relationships with avian hosts. – *PLoS One*, **15**[1 (e0225982)].
- Skoracki M., B. Sikora, M. Hromada. 2019. First Record of Quill Mites (Acariformes: Syringophilidae: Picobiinae) Living in the Quill Walls of Parrots. – *J. Med. Entomol.*, **56**(6): 1610–1613.
- Skoracki M., B. Sikora, M. Marciniak, M. Zmudzinski. 2016. *Syringophiloidus bucerotidus* sp. nov. (Acari: Syringophilidae), a new quill mite species parasitizing hornbills (Aves: Bucerotidae) in the Sub-Saharan Africa. – *International Journal of Acarology*, **43**(1): 1–10.
- Skoracki M., B. Sikora, J. Michalik. 2004. Budowa morfologiczna ektopasożytniczych roztoczy z rodziny Syringophilidae (Acari: Prostigmata). In: Blaszak C., Buczek A. (eds) *Arthropods, Parasite-Host relationships*. Pp.19–22 (in Polish).
- Skoracki M., B. Sikora, M. Ozminski. 2012. A new quill mite species (Acari: Syringophilidae) parasitising tinamous (Aves: Tinamiformes). – *Systematic Parasitology*, **81**: 109–113.
- Skoracki M., B. Sikora, G.S. Spicer. 2016. A review of the subfamily Picobiinae Johnston and Kethley, 1973 (Acariformes: Prostigmata: Syringophilidae). – *Zootaxa*, **4113**(1): 1–95.
- Skoracki M., A. Skoracka. 1999. *Syringophilopsis turdi* (Fritsch, 1958) i *Torotroglia gaudi* Bochkov et Mironov, 1998 dwa gatunki roztoczy z rodziny Syringophilidae nowe dla fauny Polski. – *Przegl. Zool.*, **43** (3–4): 185–186.
- Skoracki M., Solarczyk P. 2012. New picobiin mites (Acari: Syringophilidae: Picobiinae) associated with woodcreeper birds (Passeriformes: Dendrocolaptidae). – *Zootaxa*, **3406**: 59–66.
- Skoracki M., P. Solarczyk, B. Sikora. 2012. Three new species of picobiine mites (Acari: Syringophilidae) parasitising African Flycatchers (Aves: Muscicapidae). – *Systematic Parasitology*, **83**: 123–135.
- Skoracki M., G.S. Spicer, B.M. OConnor. 2014. A review of mites of the subfamily Picobiinae Johnston & Kethley, 1973 (Prostigmata: Syringophilidae) from North American birds. – *Systematic Parasitology*, **87**: 99–110.
- Skoracki M., G.S. Spicer, B. M. OConnor. 2016. A systematic review of the subfamily Syringophilinae (Acari: Syringophilidae) of the Nearctic region. Part 1: quill mites associated with passerines (Aves: Passeriformes). – *Zootaxa*, **4084**(4): 451–494.
- Skoracki M., P. Tryjanowski, M. Hromada. 2002. Two new parasitic mite species of the genus *Syringophilopsis* from true Shrikes (Aves: Laniidae). – *Parasite*, **9**: 11–16.

- Skoracki M., M. Unsoeld, K. Kavetska. 2014. Syringophilid mites (Acari: Syringophilidae) associated with the rails (Aves: Rallidae) and a key to the species of the genus *Rafapicobia* Skoracki, 2011. – Systematic Parasitology, **88**: 227–232.
- Skoracki M., M. Unsoeld, K. Kavetska, K. Kaszewska. 2014. Quill mites of the subfamily Picobiinae (Acari: Syringophilidae) associated with woodpeckers (Aves: Piciformes: Picidae). – Systematic Parasitology, **85**: 213–217.
- Skoracki M., M. Unsoeld, N. Marciniak, B. Sikora. 2016. Diversity of Quill Mites of the Family Syringophilidae (Acari: Prostigmata) Parasitizing Owls (Aves: Strigiformes) With Remarks on the Host–Parasite Relationships. – Journal of Medical Entomology, **53**: 4: 815–826.
- Skoracki M., M. Unsoeld, M. Ozminski. 2013. A new genus of the quill mites of the family Syringophilidae (Acari: Cheyletoidea) associated with mousebirds (Aves: Coliiformes). – Systematic Parasitology, **85**: 213–217.
- Skoracki M., M. Unsoeld, M. Skorupski. 2014. Otidiformes, a new avian host order for quill mites of the family Syringophilidae (Acari: Prostigmata). – Intern. Journal of Acarology, **40**: 349–352.
- Skoracki M., M. Unsoeld, M. Skorupski, K. Kavetska. 2014. Syringophilid mites (Acari: Syringophilidae) associated with the rails (Aves: Rallidae) and a key to the species of the genus *Rafapicobia* Skoracki, 2011. – Systematic Parasitology, **88**(3): 227–232.
- Skoracki M., S.V. Zabłudovskaya, A.V. Bochkov. 2012. A review of Prostigmata (Acariformes: Trombidiformes) permanently associated with birds. – Acarina, **20**: 67–107.
- Skoracki, M., K. Zawierucha. 2016. *Chenophila nanseni* sp. n. (Acari: Syringophilidae) parasitizing the barnacle goose in Svalbard. – Pol. Polar Res., **37**(1): 121–130.
- Skoracki M., M. Zmudzinski, P. Solarczyk. 2017. *Ixobrychiphilus*, a new genus of the family Syringophilidae (Acariformes: Prostigmata). – Acarologia, **57**(2): 269–273.
- Skoracki M., M. Zmudzinski, M. Unsoeld, B. Sikora. 2016. First Records of the Syringophilid Mites (Acariformes: Prostigmata) Parasitizing Ibises and Spoonbills (Pelecaniformes: Threskiornithidae), With Description of Four New Species. – J. of Medical Entomology, **53**(6): 1312–1321.
- Skoracki M., M. Zmudzinski, B. Sikora. 2020. *Rafapicobia olszanowskii*, a New Species of Syringophilid Mite (Acariformes: Syringophilidae) from *Semnornis ramphastinus* (Piciformes: Semnornithidae). – Annales Zoologici, **70**(3): 449–452.
- Sun X. (undated). Other medical mites. 105–106. In: Chen X., Ma E. (eds). Researches of acarology in China. – Chongqing Publishing House. Chongqing: 1–170.
- Turk F.A. 1953. I. – A synonymic catalogue of British Acari: Part I. – Ann. Mag. Nat. Hist., 12th Ser., **61**: 1–26.
- Tymcio K. K. Kavetska, M. J. Czyz, M. Skoracki. 2013. Ontogeny of *Chenophila platyrhynchos* sp.nov. (Acari: Syringophilidae), an ectoparasite of the Mallard *Anas platyrhynchos* (Anseriformes: Anatidae). – Turkish J. of Zoology, **37**: 659–667.
- Womersley H. 1941. Notes on the Cheyletidae (Acarina, Trombidoidea) of Australia and New Zealand with descriptions of new species. – Rec. South Australian Mus., **7** (1): 51–64.

- Zmudzinski M., M. Skoracki. 2016. An updated check-list of the family Syringophilidae (Acariformes: Prostigmata). <https://sites.google.com/site/syringophilidae/> (accessed 7 April 2019).
- Zmudzinski M., M. Skoracki. 2017. A new species *Selenonycha inspirata* n.sp. (Acariformes: Syringophilidae) from the bare-faced ibis *Phimosus infuscatus* (Lichtenstein) (Pelecaniformes: Threskiornithidae) as an example of host-switching event. – Systematic Parasitology, **94**(5): 593–598.
- Zmudzinski M., M. Skoracki, M. Hromada. 2019. *Neoaulonastus sidorchukae*, a new species of quill mites (Acariformes: Syringophilidae) associated with the purple-rumped sunbird *Leptocoma zeylonica* (Linnaeus) (Passeriformes: Nectariniidae) from Sri Lanka. – Zootaxa, **4647**(1): 83–87.
- Zmudzinski M., M. Skoracki, M. Hromada, M. Unsoeld. 2018. *Niglarobia vanelli*, a new species of syringophilid quill mite associated with lapwings (Charadriiformes: Charadriidae). – Acta Parasitologica, **63**(4): 704–708.
- Zmudzinski M., P. Solarczik, M. Skoracki. 2016. A new species and new records of syringophilid mites (Acariformes: Prostigmata: Cheyletoidea) associated with aquatic birds. – Annales Zoologici (Warsaw), **66**(3): 431–435.
- Zmudzinski M., M. Unsoeld. 2016. New distribution of *Picobia caudati* Skoracki and Hebda, 2004 (Acariformes: Syringophilidae): an ectoparasite of Long-tailed Tit *Aegithalos caudatus* (L.) (Passeriformes: Aegithalidae). – Ann. Parasitol., **62**(4): 355–357.
- Zmudzinski M., M. Unsoeld. 2017. A new species of the quill mite genus *Chenophila* (Acariformes: Syringophilidae) from the Marbled Teal *Marmaronetta angustirostris* (Menetries) (Anseriformes: Anatidae) in Turkey. – Acta Parasitologica, **62**(2): 477–481.
- Zmudzinski M., M. Unsoeld. 2019. Quill mites (Acariformes: Syringophilidae) parasitizing birds in Germany: new host records and descriptions of two new species from *Limosa lapponica* (L.) (Aves: Scolopacidae). – Syst. and Applied Acarology, **24**(3): 362–376.
- Zmudzinski M., M. Unsoeld, W. Knee, M. Skoracki. 2015. New host records for parasitic mites of the family Syringophilidae from accipitriform birds (Aves: Accipitriformes). – Annals of Parasitology, **61**(4): 291–293.

Superfamily Cloacaroidea Bochkov et OConnor

Cloacaroidea Bochkov & O'Connor, 2008: 335

The small family Epimyodidae has been initially considered subfamily of Cloacaridae, but the analysis of Bochkov (2002) and Bochkov & O'Connor (2008) has shown the need to give it familial status under the new superfamily Cloacaroidea. Although small (19 sp.), the superfamily embraces mites with peculiar localisation and high value in reconstructing the ways of formation of parasitic mites.

The Mite Family Cloacaridae

Cloacaridae Camin, Moss, Oliver & Singer, 1967: 263

This small (15 sp.) family has been established almost simultaneously by Camin, Moss, Oliver & Singer (1967) and by Fain (1968). The genera *Cloacarus* Camin et al., *Emyduracarus* Fain and *Caminacarus* Fain contain species living in the rectum of turtles and tortoises in Israel, USA, China, Africa, and Australia. They are attached to the mucose or live more or less submucose. *Theodoracarus testudinis* Fain live in the muscle tissue of tortoises. *Chelonacarus elongatus* Pence et Wright, 1998 had been discovered as parasite of sea turtles (*Chelonia mydas*).

Besides the typical subfamily Cloacarinae, latter has been described the only representative of Pneumophaginae (*Pneumophagus bubonis* Fain et Smiley, 1989) from the lungs of *Bubo virginianus*.

Composition of the family Cloacaridae:

Fam. **Cloacaridae** Camin, Moss, Oliver et Singer, 1967 – 6 gen., 15 sp.

Subfam. **Cloacarinae** Camin, Moss, Oliver et Singer, 1967 – 14 sp.

Caminacarus Fain, 1968 – 9 sp.

Chelonacarus Pence et Wright, 1998 – 1 sp.

Cloacarus Camin, Moss, Oliver et Singer, 1967 – 2 sp.

Emyduracarus Fain, 1968 – 1 sp.

Theodoracarus Fain, 1968 – 1 sp.

Subfam. **Pneumophaginae** Fain et Smiley, 1989 – 1 sp.

Pneumophagus Fain et Smiley, 1989 – 1 sp.

Catalogue of Cloacaridae

Family **Cloacaridae** Camin, Moss, Oliver et Singer

Cloacaridae Camin, Moss, Oliver & Singer, 1967: 263

Type genus: *Cloacarus* Camin, Moss, Oliver et Singer, 1967

Subfamily **Cloacarinae** Camin, Moss, Oliver et Singer

Cloacarinae Camin, Moss, Oliver & Singer, 1967: 263

Type genus: *Cloacarus* Camin, Moss, Oliver et Singer, 1967

Genus ***Caminacarus*** Fain

Caminacarus Fain, 1968: 6

Type species: *Caminacarus theodori* Fain, 1968

Caminacarus chrysemys Pence et Casto

Caminacarus chrysemys Pence & Casto, 1975: 133

Type locality: Laplace, Louisiana

Distribution: USA (Louisiana)

Host: *Chrysemys scripta elegans* (Testudines: Emydidae)

Caminacarus costai Fain

Caminacarus costai Fain, 1968: 10

Type locality: Benjamina

Distribution: Israel

Host: *Mauremys caspica* (Testudines: Emydidae)

Caminacarus dawsoni Bochkov et OConnor

Caminacarus dawsoni Bochkov & OConnor, 2008: 340

Type locality: USA

Distribution: USA

Host: *Graptemys pseudogeographica* (Testudines: Emydidae)

Caminacarus deirochelys Fain

Caminacarus deirochelys Fain, 1968: 18

Type locality: Englewood

Distribution: USA (Florida)

Host: *Deirochelys reticularia* (Testudines: Emydidae)

Caminacarus pelomedusae Fain

Caminacarus pelomedusae Fain, 1968: 13

Locality: Niarembe, Ituri (DR Congo), Tabora

Distribution: DR Congo, Tanzania

Hosts: *Pelomedusa galeata*, *P. subrufa* (Testudines: Pelomedusidae)

Caminacarus pelusios Fain

Caminacarus pelusios Fain, 1968: 13

Type locality: Lake Mohasi

Distribution: Rwanda

Host: *Pelusios castaneus* (Testudines: Pelomedusidae)

Caminacarus sinensis Fain*Caminacarus sinensis* Fain, 1968: 16

Type locality: China

Distribution: China

Host: *Trionyx sinensis* (Testudines: Trionychidae)***Caminacarus terrapenae*** Pence et Casto*Caminacarus terrapenae* Pence & Casto, 1975: 13.

Type locality: Louisiana

Distribution: USA (Louisiana)

Host: *Terrapene carolina* (Testudines: Emydidae)***Caminacarus theodori*** Fain*Caminacarus theodori* Fain, 1968: 7

Type locality: Benjamina

Distribution: Israel

Host: *Mauremys caspica* (Testudines: Emydidae)Genus ***Chelonacarus*** Pence et Wright*Chelonacarus* Pence & Wright, 1998: 835Type species: *Chelonacarus elongatus* Pence et Wright, 1998***Chelonacarus elongatus*** Pence et Wright*Chelonacarus elongatus* Pence & Wright, 1998: 836

Type locality: Bocas del Toro, Isla de Colon

Distribution: Panama

Host: *Chelonia mydas* (Testudines: Cheloniidae)Genus ***Cloacarus*** Camin, Moss, Oliver et Singer*Cloacarus* Camin, Moss, Oliver & Singer, 1967: 264Type species: *Cloacarus faini* Camin et Singer, 1967***Cloacarus beeri*** Camin et Oliver*Cloacarus beeri* Camin & Oliver, in Camin et al., 1967: 269

Type locality: Douglas Lake, Michigan

Distribution: USA (Michigan)

Host: *Chrysemys picta* (Chelonia: Emydidae)***Cloacarus faini*** Camin et Singer*Cloacarus faini* Camin & Singer, in Camin et al., 1967: 265

Type locality: stream near U.S. Route 59 at county line between Douglas Co. and Franklin Co., Kansas

Distribution: USA (Kansas)

Host: *Chelydra serpentina* (Chelonia: Chelydridae)

Genus ***Emyduracarus*** Fain

Emyduracarus Fain, 1968: 20

Type species: *Emydurarus australis* Fain, 1968

Emydurarus australis Fain

Emydurarus australis Fain, 1968: 20; Domrow, 1991: 1347

Type locality: St. Lawrence (Queensland)

Distribution: Australia (Coastal central Queensland)

Host: *Elseya [Emydura] latisternum* (Testudines: Chelidae)

Genus ***Theodoracarus*** Fain

Theodoracarus Fain, 1968: 23

Type species: *Theodoracarus testudinis* Fain, 1968

Theodoracarus testudinis Fain

Theodoracarus testudinis Fain, 1968: 23

Type locality: Jerusalem

Distribution: Israel

Host: *Testudo graeca ibera* (Testudines: Testudinidae)

Subfamily **Pneumophaginae** Fain et Smiley

Pneumophaginae Fain & Smiley, 1989: 112

Type genus: *Pneumophagus* Fain et Smiley, 1989

Genus ***Pneumophagus*** Fain et Smiley

Pneumophagus Fain & Smiley, 1989: 112

Type species: *Pneumophagus bubonis* Fain et Smiley, 1989

Pneumophagus bubonis Fain et Smiley

Pneumophagus bubonis Fain & Smiley, 1989: 112

Type locality: East Lansing, Michigan

Distribution: USA (Michigan)

Host: *Bubo virginianus* (Strigiformes: Strigidae)

Index of Cloacaridae

(Names in bold are accepted as **valid**)

<i>australis</i> , <i>Emyduracarus</i> 458	<i>elongatus</i> , <i>Chelonacarus</i> 457
<i>beeri</i> , <i>Cloacarus</i> 457	<i>Emyduracarus</i> 458
<i>bubonis</i> , <i>Pneumophagus</i> 458	<i>faini</i> , <i>Cloacarus</i> 457
<i>Caminacarus</i> 456	<i>pelomedusae</i> , <i>Caminacarus</i> 456
<i>Chelonacarus</i> 457	<i>pelusios</i> , <i>Caminacarus</i> 456
<i>chrysemys</i> , <i>Caminacarus</i> 456	<i>Pneumophaginae</i> 458
<i>Cloacaridae</i> 455	<i>Pneumophagus</i> 458
<i>Cloacarinae</i> 455	<i>sinensis</i> , <i>Caminacarus</i> 457
<i>Cloacarus</i> 457	<i>terrapenae</i> , <i>Caminacarus</i> 457
<i>costai</i> , <i>Caminacarus</i> 456	<i>testudinis</i> , <i>Theodoracarus</i> 458
<i>dawsoni</i> , <i>Caminacarus</i> 456	<i>Theodoracarus</i> 458
<i>deirochelys</i> , <i>Caminacarus</i> 456	<i>theodori</i> , <i>Caminacarus</i> 457

Distribution of Cloacaridae

AFRICA

Congo DR (Fain, 1968) – *Caminacarus pelomedusae*

Rwanda (Fain, 1968) – *Caminacarus pelusios*

Tanzania (Fain, 1968) – *Caminacarus pelomedusae*

ASIA

China (Fain, 1968) – *Caminacarus sinensis*

Israel (Fain, 1968) – *Caminacarus costai*, *C. theodori*, *Theodoracarus testudinis*

NORTH AMERICA

USA (Fain & Smiley, 1989; Pence & Casto, 1975; Bochkov & OConnor, 2008) – *Caminacarus chrysemys*, *C. deirochelys*, *C. dawsoni*, *C. terrapenae*, *Cloacarus beeri*, *C. faini*, *Pneumophagus bubonis*

SOUTH AMERICA

Panama (Pence & Wright, 1998) – *Chelonacarus elongatus*

OCEANIA

Australia (Fain, 1968; Domrow, 1991) – *Emyduracarus australis*

Hosts of Cloacaricae

Reptilia

Testudines

Fam. Chelidae

Emydura latisternum – *Emydurarus australis*

Fam. Cheloniidae

Chelonia mydas – *Chelonacarus elongatus*

Fam. Chelydridae

Chelydra serpentina – *Cloacarus faini*

Fam. Emydidae

Chrysemys scripta elegans – *Caminacarus chrysemys*

Deirochelys reticularia – *Caminacarus deirochelys*

Graptemys pseudogeographica – *Caminacarus dawsoni*

Mauremys caspica – *Caminacarus costai*

Terrapene carolina – *Caminacarus terrapenae*

Fam. Pelomedusidae

Pelomedusa galeata – *Caminacarus pelomedusae*

Pelomedusa subrufa – *Caminacarus pelomedusae*

Pelusios castaneus – *Caminacarus pelusios*

Fam. Testudinidae

Testudo graeca ibera – *Theodoracarus testudinis*

Fam. Trionychidae

Trionyx sinensis – *Caminacarus sinensis*

Aves

Strigiformes

Fam. Strigidae

Bubo virginianus – *Pneumophagus bubonis*

Bibliography of Cloacaridae

- Bochkov A.V. 2008. Origin and evolution of parasitism of mites of the Infraorder Eleutherengona (Acari: Prostigmata). Report I. Lower Raphignathae. – *Parazitologiya*, **42**(5): 337 – 359.
- Bochkov A.V., B.M. OConnor. 2008. A new mite superfamily Cloacaridae and its position within the Prostigmata (Acariformes). – *J. Parasitology*, **94**(2): 335–344.
- Camin J. H., W. W. Moss, J. H. Oliver Jr., G. Singer. 1967. Cloacaridae, a new family of Cheyletoid mites from the cloaca of aquatic turtles (Acari: Acariformes: Eleutherengona). – *J. Med. Ent.*, **4**(3): 261–272.

- Domrow R. 1991. Acari Prostigmata (excluding Trombiculidae) Parasitic on Australian Vertebrates: an Annotated Checklist, Keys and Bibliography. – Invertebr. Taxon., **4**: 1283–1376.
- Fain A. 1968. Notes sur les Acariens de la famille Cloacaridae Camin et al. Parasites du Cloaque et des tissus profonds des tortues (Cheyletoidea: Trombidiformes). – Bull. Inst. r. Sci. nat. Belgique, **44**(15): 1–33.
- Fain A., R. L. Smiley. 1989. A new Cloacarid mite (Acari: Cloacaridae) from the lungs of the Great horned owl, *Bubo virginianus*, from the U. S. A. – Intern. J. Acarol., **15**(2): 111–115.
- Pence D. B., S.D. Casto. 1975. Two new species of the genus *Caminacarus* (Acarina: Cloacaridae) from Turtles in Louisiana. – J. Parasitol., **61**(1): 133–138.
- Pence D., S.D. Wright. 1998. *Chelonacarus elongatus* n.gen., n. sp. (Acari: Cloacaridae) from the cloaca of the green turtle *Chelonia mydas* (Cheloniidae). – J. of Parasitology, **84**(4): 835–839.

The Mite Family Epimyodidae

Epimyodinae Fain, Lukoschus & Rosmalen, 1982: 4

Epimyodidae: Bochkov, 2002: 651

The representatives of Epimyodinae have been discovered in loose deep connective subcutaneous tissues of Soricomorpha and Rodentia, so far only in Europe and North America.

So far only four species are known from subcutaneous tissues of Soricomorpha (*Sorex*, *Crocidura*, *Talpa*) and Rodentia (*Microtus*, *Peromyscus*, *Sylvaemus*).

Catalogue of Epimyodidae

Family **Epimyodidae** Fain, Lukoschus et Rosmalen

Epimyodinae Fain, Lukoschus & Rosmalen, 1982: 4

Epimyodidae: Bochkov, 2002: 651

Type genus: *Epimyodex* Fain et Orts, 1969

Genus ***Epimyodex*** Fain et Orts

Epimyodex Fain & Orts, 1969: 66

Type species: *Epimyodex talpae* Fain et Orts, 1969

Epimyodex crocidurae Fain, Lukoschus et Rosmalen

Epimyodex crocidurae Fain, Lukoschus & Rosmalen, 1982: 5

Type locality: Nijmegen

Distribution: Holland

Host: *Crocidura russula* (Soricomorpha: Soricidae)

Epimyodex microti Fain, Lukoschus et Rosmalen

Epimyodex microti Fain, Lukoschus & Rosmalen, 1982: 7; Fain & Bochkov, 2001: 223

Type locality: Nijmegen (Holland)

Distribution: Holland, Italy, USA

Hosts: *Microtus arvalis*, *M. savii* (Rodentia: Arvicolidae), *Peromyscus leucopus*, *P. maniculatus* (Rodentia: Cricetidae); *Sylvaemus sylvaticus* (Muridae)

Epimyodex soricis Fain et Bochkov

Epimyodex soricis Fain & Bochkov, 2001: 221- 223.

Type locality: Lincoln Co., Oregon

Distribution: USA (Oregon)

Hosts: *Sorex trowbridgii*, *S. vagrans* (Soricomorpha: Soricidae)

Epimyodex talpae Fain et Orts*Epimyodex talpae* Fain & Orts, 1969: 66

Type locality: Lillois, Belgium

Distribution: Belgium

Hosts: *Talpa europaea*, *T. romana* (Soricomorpha: Talpidae, Talpinae)**Index of Epimyodicidae**(Names in bold are accepted as **valid**)*soricis*, ***Epimyodex*** 462***Epimyodex*** 462**Epimyodicidae** 462**Epimyodicinae** 462*crocidurae*, ***Epimyodex*** 462*talpae*, ***Epimyodex*** 463*microti*, ***Epimyodex*** 462*soricis*, ***Epimyodex*** 462**Distribution of Epimyodicidae****EUROPE****Belgium** (Fain & Orts, 1969) – *Epimyodex talpae***Holland** (Fain, Lukoschus & Rosmalen, 1982) – *Epimyodex crocidurae*, *E. microti***Italy** (Fain, Lukoschus & Rosmalen, 1982) – *Epimyodex microti*, *E. talpae***NORTH AMERICA****USA** (Fain, Lukoschus & Rosmalen, 1982; Fain & Bochkov, 2001) – *Epimyodex microti*,
*E. soricis***Hosts of Epimyodicidae****Mammalia****Soricomorpha****Fam. Soricidae***Crocidura russula* – *Epimyodex crocidurae**Sorex trowbridgii* – *Epimyodex soricis**S. vagrans* – *Epimyodex soricis***Fam. Talpidae***Talpa europaea* – *Epimyodex talpae**T. romana* – *Epimyodex talpae*

Rodentia**Fam. Arvicolidae**

Microtus arvalis – *Epimyodex microti*

M. savii – *Epimyodex microti*

Fam. Cricetidae

Peromyscus leucopus – *Epimyodex microti*

P. maniculatus – *Epimyodex microti*

Fam. Muridae

Sylvaemus sylvaticus – *Epimyodex microti*

Bibliography of Epimyodicidae

- Bochkov A. V. 2002. Classification and phylogeny of mites of the superfamily Cheyletoidea (Acari: Prostigmata). – Entomologicheskoe Obozrenie [In Russian but also translated into English in Entomol. Rev.]. **81**: 488–513.
- Bochkov A.V., B.M. OConnor. 2008. A new mite superfamily Cloacaridae and its position within the Prostigmata (Acariformes). – J. Parasitology, **94**(2): 335–344.
- Fain A. 1959. Deux nouveaux genres d'Acariens vivant dans l'épaisseur des muqueuses nasale et buccale chez un lémurien (Trombidiformes: Demodicidae). – Bull. Ann. Soc. r. Ent. Belgium, **95**(9 -10): 263–273.
- Fain A., A.V. Bochkov. 2001. A new species of the genus *Epimyodex* Fain and Orts, 1969 (Acari: Cloacaridae: Epimyodecinae) parasitizing *Sorex trowbridgii* (Soricidae) from the U.S.A. – Internat. J. Acarol., **27**(3): 221–223.
- Fain A., F. S. Lukoschus, P.G. Rosmalen. 1982. Observations on the genus *Epimyodex* Fain & Orts, 1969, with description of two new species. Transfer of this genus to the Cloacaridae (Acarina, Prostigmata). – Bull. Inst. r. Sci. nat. Belg., **54**(3): 1–10.
- Fain A., S. Orts. 1969. *Epimyodex talpae* n. g., n. sp. parasite sous-cutané de la taupe en Belgium (Demodicidae: Trombidiformes). – Acarologia, **11**(1): 65–68.

Acknowledgements

Many prominent Acarologists provided literature and advice to the present author in the complicated task to put together and to update the huge information on the seven families of mites treated in this volume. Some will certainly be omitted, but cordial gratitude is first of all due to A. Fain, A. Bochkov, U. Gerson, I. Literák, F. Dusbábek, J. B. Kethley, R. F. Lawrence, B. OConnor, R. V. Southcott, J. de la Cruz, K.M. Jack, H. Rak, F. M. Summers, M. Shiba, R. Domrow, C.H.W. Flechtman, I. M. Newell, K. Kawashima, A. Hoffmann, D. B. Pence, M. Skoracki, F.S. Lukoschus, Ch. D. Radford, V. Černý, W.W. Moss, W. B. Nutting, J.N. Izdebska, K.M.T. Giesen, M. Nadchatram, S.E. Thewke, K. Uchikawa, V. Bukva, J. O. Whitaker, A. Baker, V. Amaral, M.K.P. Meyer, E. Glowaska, M. Hromada, A. Khaustov, A. Saboori, M. Klimovičová, K. Kaszewska, G. Spicer, M. Mironov, M. Zmudzinski, L. Corpuz-Raros, V.I. Volgin, J.L. Izdebska, R.L. Smiley, H. Klompen, M. Dabert, E. Ueckermann.