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Hotspots of new species discovery: new mite species described during 2007 to 2012

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Table of contents

Abstract	3
Introduction	4
Methods	4
Abbreviations of zoological collections	4
Results & Discussion	7
General patterns	7
The numbers of papers and new species	7
Taxonomic distribution of new species	8
Geographic distribution of new species	16
List of type localities and depositories of new species in SAA 2007–2012	18
Superorder Parasitiformes (6 species)	18
Order Mesostigmata (6 species)	18
Suborder Monogynaspida (3 species)	18
Suborder Trigynaspida (3 species)	18
Superorder Acariformes (110 species)	18
Order Trombidiformes (79 species)	18
Suborder Prostigmata (79 species)	18
Order Sarcoptiformes (31 species)	23
Suborder Oribatida (31 species)	23
List of type localities and depositories of new species in Zootaxa 2007–2012	25
Superorder Parasitiformes (272 species)	25
Order Opilioacarida (9 species)	25
Order Mesostigmata (263 species)	25
Suborder Trigynaspida (36 species)	25
Suborder Monogynaspida (229 species)	27
Superorder Acariformes (991 species)	37
Order Trombidiformes (713 species)	37
Suborder Prostigmata (713 species)	37
Order Sarcoptiformes (278 species)	68
Suborder Oribatida (278 species)	68
Acknowledgements	82
References	82
Index	99

Abstract

The type localities of new mite species described in two journals (*Systematic & Applied Acarology* and *Zootaxa*) during the last six years (2007–2012) were surveyed to detect hotspots of new mite species discovery. Among the 642 papers examined, 71% of them contain new species, with 148 new species in 2007, 207 in 2008, 234 in 2009, 208 in 2010, 333 in 2011 and 249 in 2012. *Systematic & Applied Acarology* published about 3% of the total new species indexed by *Zoological Record* during 2007–2012, whereas *Zootaxa* published about 35% of the total. The 1379 new species are distributed unevenly among 150 mite families; the top 15 families accounted for 55% of all the species, and 86 of the 150 families have 1–3 species each. The top family is the Eriophyidae, which alone accounted for nearly 15% of the total new species. Geographically, the new species were described from 92 countries and their distribution among these countries is highly uneven. The top 10 countries accounted for 62% of all the new species and the top country, China, alone accounted for 18% of the total. The average number of new species per country is 15 and no more than a fifth of the countries are above the average, and 40% of the countries have only 1–3 new species each. The top country for each continent is China (248 species) for Asia, Australia (166 species) for Oceania, Brazil (76 species) for South America, Kenya (51 species) for Africa, USA (51 species) for North America and Russia (42 species) for Europe. Increased efforts in discovering and describing new species are much needed for biodiversity-rich countries in South America, Southeast Asia and Africa.

Key words: Acari, new species, biodiversity, hotspots, taxonomy, mites, type locality, type depository

Introduction

Over 1.5 million species of animals have been described and every year some 15,000 or more species are named (Zhang 2011a, c, e). Species are unevenly distributed in the world and the 17 megadiverse countries have far more species than others (Mittermeier 1988). Where are new species discovered and described? In this paper, we answer this question for recent years by surveying new mite species described in the last six years. We selected the Acari because it is a very diverse group in the Phylum Arthropoda, now with over 55,000 described species (Zhang 2011d). Another objective of this paper is to provide a list of new species of mites published in *Zootaxa* and *Systematic & Applied Acarology* and make the information on the type locality and deposition available online for open access to ensure wide dissemination as recommended by ICZN (1999). This contribution follows a series of other editorials with the same purpose to expose new species to a wider readership (Zhang 2006; Fan 2006; Zhao 2007; Xue & Zhang 2008, Xu *et al.* 2013).

Methods

To detect hot spots of new mite species discovery in recent years, we surveyed type localities of new species described in the last six years (2007–2012). We sampled papers published in two international journals during this period. One is *Systematic & Applied Acarology* (SAA)—an average-sized journal specialized in acarology, with most papers on taxonomy (Zhang 2005). Another is *Zootaxa*—the world's largest journal in taxonomy, describing about 20% of all animal taxa indexed in the *Zoological Record* in 2010, of which 5% were mites (Zhang 2011a). These two journals are selected because they have excellent historical data on the number of new species (Zhang 2005, 2011a; Fan 2006; Xue & Zhang 2008) and are both easily accessible and familiar to the authors.

The classification systems used for the list of new species follow the most recent ones in Beaulieu *et al.* (2011), Schatz *et al.* (2011), Walter *et al.* (2011), Zhang (2011d) and Zhang *et al.* (2011). For each new species listed, we provide genus and species name, authority and year, the page on which the new species was first described, the depository of the primary type specimen and also the type locality (geographic coordinates given if these are provided in the original papers). Abbreviations for zoological collections are those used in the original papers. For those institutions without abbreviations given in the original papers, we first use abbreviations cited in papers elsewhere and we coin new ones when no previous uses of abbreviations for these institutions are known to us.

Abbreviations of zoological collections:

- ACIAU—Acarology Collection, Islamic Azad University, Fars Science and Research Branch, Marvdasht, Iran.
AFUMI—Acarological Collection, Department of Plant Protection, Faculty of Agriculture, University of Maragheh, Iran.
AINB—Acari collections of INBio, Insitituto Nacional de Biodiversidad, Santo Domingo, Costa Rica.
AMS—Australian Museum, Sydney, Australia.
AMU—Department of Animal Morphology, Adam Mickiewicz University, Poznań, Poland.
ANIC—Australian National Insect Collection, CSIRO Entomology, Canberra, Australia
ASCU—Agricultural Scientific Collection Unit, Orange Agricultural Institute, Forest Road, Orange, New South Wales, Australia.
AUET—Zoological Museum of Atatürk University, Erzurum, Turkey.
BASU—Collection of Acarology Laboratory, University of Bu-Ali Sina, Hamadan, Iran.
BBM—Bishop Museum, Hawaii, USA.
BMSA—National Museum in Bloemfontein, South Africa.
CAS—California Academy of Sciences, San Francisco, California, USA.
CBGP—Collection of the Centre de Biologie et de Gestion des Populations, 34988 Montferrier-sur-Lez, France.
CM—Chilean Museum (Museo de Historia Natural, section of entomology), Chile.
CNAC—Colección Nacional de Ácaros del Instituto de Biología, Mexico.
CNC—Canadian National Collection of Insects, Arachnids and Nematodes, Agriculture and Agri-Food Canada,

Ottawa, Ontario, Canada.

CUBS—Department of Zoology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia.

CUI—The Division of Acarology of the Department of Zoology, Calicut University, India.

CUMN—Acari collection of the Chulalongkorn University Museum of Natural History, Bangkok, Thailand.

DATE—Department of Animal Taxonomy and Ecology, Adam Mickiewicz University, Poznań, Poland.

DiBCA-EZUB—Dipartimento di Biologia e Chimica Agro-forestale e Ambientale (DiBCA), Entomological and Zoological Section, University of Bari, Italy.

DEKU—Department of Entomology, Kasetsart University, Bangkok, Thailand.

DECU—Department of Entomology, Cornell University, Ithaca, NY, USA.

DFIB—Collection of Laboratório de Quarentena Vegetal, Embrapa Recursos Genéticos e Biotecnologia, Brasília, Distrito Federal and of Instituto Biológico, Campinas, São Paulo, Brazil.

DZPU—Department of Zoology of Pamukkale University, Denizli, Turkey.

EDPCQ—Institute for Endemic Disease Prevention and Control of Qinghai province, P. R. China.

EMBT—Department of Agriculture, Entomology & Zoology Division, Chatuchak, Bangkok, Thailand.

EPCL—Chongqing Key Laboratory of Entomology and Pest Control Engineering, Southwest University, Chongqing, P. R. China.

ERGB—Collection of Laboratório de Quarentena Vegetal, Embrapa Recursos Genéticos e Biotecnologia, Brasília, DF, Brazil.

ESALQ/USP—Collection of Departamento de Entomologia e Acarologia, ESALQ – Universidade de São Paulo, Piracicaba, São Paulo, Brazil.

EUKT—Acarological Collection of the Zoological Museum, Erciyes University, Kayseri, Turkey.

FAAS—Institute of Plant Protection Collection, Fujian Academy of Agricultural Sciences, Fuzhou, P. R. China.

FCPT—Fundación Conjunto Paleontológico de Teruel-Dinópolis, Spain.

FFSDU—Fundamental Science Laboratory collection, Faculty of Fisheries, Süleyman Demirel University, Egirdir/Isparta, Turkey.

FM—Field Museum of Natural History, Chicago, Illinois, USA.

FSCA—Florida State Collection of Arthropods, Gainesville, USA.

FUET—Research collection of the Biology Department, Firat University, Elazig, Turkey.

GMNH—Georgia Museum of Natural History, Natural History Building, University of Georgia, Athens, USA.

GUGC—Institute of Entomology, Guizhou University, Guiyang, P. R. China.

GUGX—Guangxi University, Guangxi Zhuang Autonomous Region, P. R. China.

HNHM—Soil Zoology Collection of Hungarian Natural History Museum, Budapest, Hungary.

HUB—Museum of Natural History, Department of Arachnids, Myriapods and Stemgroup Arthropoda, Humboldt-University Berlin, Germany.

HUHC—Museum of Hebei University, Baoding, Hebei Province, P. R. China.

IARI—National Pusa Collection, Division of Entomology, Indian Agricultural Research Institute, New Delhi, India.

IBIW—Research collection of the Institute for Biology of Inland Waters, Borok, Russia.

IBSS—Research collection of the Institute of Biology and Soil Science, Vladivostok, Russia.

ICIPE—The International Centre for Insect Physiology and Ecology, Nairobi, Kenya.

INBCR—Instituto Nacional Biologica of Costa Rica, Santo Domingo de Heredia, Costa Rica.

IPCB—Biology Centre of the AS CR, Institute of Parasitology, Ceske Budejovice, Czech Republic.

IZSAS—Institute of Zoology, Slovak Academy of Sciences, Bratislava, Slovak.

JAZM—Jalal Afshar Zoological Museum, College of Agriculture, University of Tehran, Iran.

KSMA—King Saud Museum of Arthropods, Saudi Arabia.

LA-CEIB—Laboratório de Acarologia, Centro Experimental do Instituto Biológico, Campinas-SP, Brazil.

LCCV—Laboratorio Central de Cuarentena Vegetal de Cuba.

LSUMZ—Louisiana State University Museum of Zoology, Louisiana, USA.

MGs—Muséum d'histoire naturelle, Genève, Switzerland.

MHN—“Museo de Historia Natural”, Lima, Peru.

MMP—Museum of Montenegro, Podgorica, Montenegro.

MNCN—Museo Nacional de Ciencias Naturales, Madrid, Spain.

MNHN—Muséum National d'Histoire naturelle, Paris, France.
 MNHP—Museum of the Natural History of Podgorica, Montenegro.
 MNHWU—Museum of Natural History, Wrocław University, Poland.
 MNZ—Museum of New Zealand, Wellington, New Zealand
 MVMA—Department of Entomology, Museum Victoria, Melbourne, Australia.
 MZBB—Museum Zoologicum Bogoriense, Bogor, Indonesia.
 MZLQ—Mite Reference Collection, Department of Entomology and Acarology, Escola Superior de Agricultura "Luiz de Queiroz", Brazil.
 MZSP—Museu de Zoologia da Universidade de São Paulo, Brazil.
 MZUNAV—Museo de Zoología, Facultad de Ciencias, Universidad de Navarra, Spain.
 NBG—Collection of the Nikita Botanical Gardens–National Scientific Center, Yalta, Crimea, Ukraine.
 NCA-PPRI—National Collection of Arachnida, PPRI, Pretoria, South Africa.
 NHMB—Naturhistorisches Museum Basel, Sweden.
 NHMG—Natural History Museum of Geneva, Switzerland.
 NHM—Natural History Museum, London, UK.
 NHRS—Naturhistoriska Riksmuseet Stockholm, Sweden.
 NIOGI—Museum of Biological Oceanography Division, National Institute of Oceanography, Goa, India.
 NJAU—Arthropod/Mite Collection of the Department of Entomology, Nanjing Agricultural University, Jiangsu Province, P. R. China.
 NMBS—Acarology collection of the National Museum, Bloemfontein, South Africa.
 NMNH—National Museum of Natural History at the Smithsonian Institution, USA.
 NMNS—National Museum of Natural Science, Taichung, Taiwan.
 NMV—Museum Victoria, Melbourne, Australia.
 NSCY—National Scientific Center, Yalta, Ukraine.
 NSMT—Collection of the National Museum of Nature and Science, Tokyo, Japan.
 NTM—Museum and Art Gallery of the Northern Territory, Darwin, Australia.
 NUMU—Department of Zoology, National University of Mongolia, Ulaanbaatar, Mongolia.
 NZAC—New Zealand Arthropod Collection, Landcare Research, Auckland, New Zealand.
 NZMC—National Zoological Museum of China, Institute of Zoology, Chinese Academy of Sciences, Beijing, P. R. China.
 OSAL—Ohio State University Acarology Collection, Columbus, USA.
 OSU—Museum of Biological Diversity, the Ohio State University, USA.
 PEU—Acari Collection of Departamento de Zoologia e Botânica (DZSJRP), Universidade Estadual Paulista (UNESP), campus de São José do Rio Preto, São Paulo, Brazil.
 PPRP—ARC-Plant Protection Research Institute, Pretoria, South Africa.
 QM—Queensland Museum, Brisbane, Australia.
 RBNS—Collection of the Royal Belgian Institute of Natural Sciences, Brussels, Belgium.
 RMNH—National Museum of Natural History, Leiden, The Netherlands.
 SAMA—South Australian Museum, Adelaide, South Australia.
 SBUC—Collection of the Acarology Laboratory, Shahid Bahonar University of Kerman, Kerman, Iran.
 SMF—Senckenberg-Museum Frankfurt, Germany.
 SMNG—Acarological Collection of Staatliches Museum für Naturkunde Görlitz, Germany.
 SNMB—Slovak National Museum, Bratislava, Slovakia
 SNMNH—Smithsonian National Museum of Natural History, USA.
 SPSU—Collection of the Laboratory of Phytoacarology (Department of Invertebrate Zoology, Biological and Soil Sciences Faculty, Saint Petersburg State University, Russia).
 SUI—Department of Plant Protection, Shiraz University, Iran.
 TMAG—Tasmanian Museum and Art Gallery, Hobart, Australia.
 TMU—Acarological Collection, Department of Entomology, Faculty of Agriculture, Tarbiat Modares University, Tehran, Iran.
 UASM—University of Alberta Strickland Museum, Edmonton, Canada.
 UAT—Department of Plant Protection, Agricultural Faculty, University of Ankara, Turkey.

UBS—Acarology collection, Department of Entomology and Agricultural Zoology, Faculty of Agriculture, University of Belgrade, Serbia.

UEP—Zoologia e Botânica, Universidade Estadual Paulista (UNESP), São José do Rio Preto, State of São Paulo, Brazil.

UFRP—Collection of the Laboratório de Acarologia, Departamento de Agronomia, Universidade Federal Rural de Pernambuco, Recife, PE, Brazil.

UKK—Biosystematics Research Unit, Department of Zoology, University of Kalyani, Kalyani 741235, West Bengal, India.

UMI—Collection of the Acarology Laboratory, University of Maragheh, Maragheh, Iran.

UMMZ—Museum of Zoology, University of Michigan, USA.

UNAM—Acarology Collection of the Universidad Autónoma de México, Mexico City, Mexico.

UNESP—Departamento de Zoologia e Botânica, Universidade Estadual Paulista, São José do Rio Preto, State of São Paulo, Brazil.

UPLB—Entomological Museum, Museum of Natural History, University of the Philippines Los Baños.

USNM—United States Natural History Museum, Smithsonian Institution, Washington, D.C, USA.

USPB—“Museu de Zoologia Luiz de Queiroz” at the Escola Superior de Agricultura “Luiz de Queiroz”, Universidade de São Paulo, Piracicaba, São Paulo, Brazil.

UTI—Acarological Collection, Department of Plant Protection, Faculty of Agriculture, University of Tabriz, Tabriz, Iran.

UTKI—Acarological Collection, Zoological Museum, College of Agriculture, University of Tehran, Karaj, Iran.

WAM—Western Australian Museum, Perth, Australia.

ZIRAS—Collection of the Zoological Institute of the Russian Academy of Sciences, St. Petersburg, Russia.

ZISP—Zoological Institute, Russian Academy of Sciences, Saint-Petersburg, Russia.

ZIZMUH—Biozentrum Grindel und Zoologisches Museum (formerly: Zoologisches Institut und Museum der Universität Hamburg), Hamburg, Germany.

ZMAN—Zoological Museum in Amsterdam, The Netherlands.

ZMAU—Zoological Museum of Atatürk University, Erzurum, Turkey.

ZMH—Zoological Museum in Hamburg, Germany.

ZMJU—Zoological Museum of the Jagiellonian University, Cracow, Poland.

ZSM—Zoologische Staatssammlung Munich, Germany.

Results & Discussion

General patterns

The numbers of papers and new species. *SAA* published 225 papers during 2007–2012, with an average of 37.5 per year, which is 37% higher than that during its first decade 1996–2005 (27.3 per year according to Zhang 2005). The increased number of papers in *SAA* during this period is mainly a reflection of (1) the increased frequency of the journal, which allows more pages per year (Zhang 2008a) and (2) is also due to improved reputation of the journal as reflected by its recent coverage in *Science Citation Index Expanded* (Zhang 2011b). Among the papers published in *SAA* during 2007–2012, 39% of them contain new species descriptions, with an average of 1.3 new species per paper. This is comparable to that in *SAA* papers published during 1996–2007 (41% of taxonomic papers with new taxa; Xue & Zhang 2008). *SAA* published a total of 116 new species during 2007–2012 (Table 1). The average of number of new species per year during this period (19) is also comparable to that during 1996–2005 (18 new species per year; Zhang 2005).

Zootaxa published 417 papers on the Acari during 2007–2012, with an average of 69.5 per year, which is a 262% increase over its first five years 2001–2005 (19.2 per year according to Fan 2006). *Zootaxa* is purely a taxonomic journal and 88% of the 417 papers on the Acari during 2007–2012 contain a total of 1263 new species, with an average of 3.4 new species per paper (Table 1). The average of number of new species per year during this period (210) is over 500% of that during 2001–2005 (37 new species per year; Fan 2006), a reflection of the significant increase in the volume of *Zootaxa* after its inclusion in *Science Citation Index Expanded* in 2004 (Zhang 2008b, 2011a).

TABLE 1. The number of new species described in *Systematic & Applied Acarology* and *Zootaxa* during 2007–2012, with comparison to total numbers of new species of mites indexed in *Zoological Record*.

Year	SAA	Zootaxa	Total	Total indexed in ZR*
2007	17	131	148	525
2008	12	195	207	593
2009	12	222	234	670
2010	17	191	208	571
2011	28	305	333	628
2012	30	219	249	597**
Total	116	1263	1379	3584**

*Data from *Zoological Record* based on summaries of new names in <http://organismnames.com/> (accessed: 14 Apr. 2013).

** 467 (in the database as of 14 Apr. 2013) for 2012 is an underestimate because not all papers published in 2012 have been indexed. 597 used here is the average from the last five years and is here used as an estimated value for 2012).

During 2007–2012, SAA—an average acarology journal—published about 3% of the total new mite species indexed by *Zoological Record*, whereas *Zootaxa*—a mega-journal in taxonomy—published about 35% of the total (Table 1). Thus patterns—such as geographic distribution of newly described species—revealed in this study are very good estimates due the facts that these two sampled journals cover a very large share of the total and both journals are international in nature without required fee for publication (relatively unbiased submissions from authors around the world).

Taxonomic distribution of new species. At the order level, the distribution of new species from SAA and *Zootaxa* during 2007–2012 is highly uneven, with the order Trombidiformes accounting for 57.4% of the total (Table 2). At the family level, the 1379 new species are distributed among 150 mite families (Table 3) and this distribution is also very uneven, with the top 15 families accounting for 55% of all the species, and 86 of the 150 families have 1–3 species (Table 3A). The top family is the Eriophyidae, which alone accounted for nearly 15% of the total. Fan (2006)’s survey of new mite species in *Zootaxa* 2001–2005 also revealed highly uneven distribution of new species among families, with the Eriophyidae accounting for 29% of the total new species. For comparison, the top 10 families in terms of the total number of described species are: Eriophyidae (3790 spp.), Trombiculidae (3100 spp), Phytoseiidae (2300 spp.), Laelapidae (1316 spp.), Tetranychidae (1270 spp.), Halacaridae (1118 spp.), Oppiidae (1045 spp), Arrenuridae (950 spp.), Tenuipalpidae (895 spp.) and Phthiracaridae (817 spp.)—Table 3B. The Eriophyidae is the largest family, which is also economically important and studied by several active groups in the last decade or so (Table 3B). The second-ranked family in terms of the number of new species described in the last six years—Phytoseiidae—is also an economically important family; it is the third in rank in terms of total described species. However, economically important families such as Tetranychidae and Laelapidae—although also relatively diverse (making top 5 in the total number of species)—have not attracted as much attention as the Eriophyidae and Phytoseiidae in recent years (Table 3A, B). Likewise, families such as Tenuipalpidae and Tarsonemidae—both relatively important in agriculture and also relatively diverse—deserve more taxonomic effort.

TABLE 2. Taxonomic distribution of new species from SAA and *Zootaxa* (2007–2012) among mite orders.

Mite orders	SAA	Zootaxa	Total (% of all mites)
Holothyrida	0	0	0
Ixodida	0	0	0
Opilioacarida	0	9	9 (0.6%)
Mesostigmata	6	263	269 (19.5%)
Trombidiformes	79	713	792 (57.4%)
Sarcoptiformes	31	278	309 (22.4%)

TABLE 3A. Taxonomic distribution of new species from SAA and *Zootaxa* (2007–2012) among mite families; n_{sp} =number of new species within each paper, N_{fam} =number of families with n_{sp} species.

n_{sp}	N_{fam}	Families of mites
204	1	Eriophyidae
103	1	Phytoseiidae
68	1	Syringophilidae
48	1	Diptilomiopidae
44	1	Aturidae
39	1	Hygrobatidae
36	1	Cunaxidae
35	1	Arrenuridae
32	1	Torrenticolidae
29	1	Proctophyllodidae
28	1	Crotoniidae
26	1	Anisitsiellidae
24	1	Tenuipalpidae
23	2	Phthiracaridae, Cymbaeremaeidae
21	2	Uropodidae, Erythraeidae
20	1	Stigmaeidae
19	2	Eviphididae, Trombiculidae
18	2	Zerconidae, Oribatellidae
16	1	Hermanniidae
15	1	Gastronyssidae
14	3	Klinckowstroemiidae, Laelapidae, Chirodiscidae
13	1	Ascidae
12	5	Fedrizzidae, Sperchontidae, Tetranychidae, Euphthiracaridae, Oppiidae
11	1	Feltriidae
10	2	Eremaeozetidae, Galumnidae
9	1	Opilioacaridae
8	7	Diplogyniidae, Rhagidiidae, Unionicolidae, Cheyletidae, Podapolipidae, Nothridae, Damaeidae
7	3	Halacaridae, Camerobiidae, Carabodidae
6	4	Bdellidae, Hydrodromidae, Limnesiidae, Peloppiidae
5	7	Veigaiidae, Pachylaelapidae, Phytoptidae, Adamystidae, Allotanaupodidae, Tarsonemidae, Nippobodidae
4	6	Blattisociidae, Trombidiidae, Pontarachnidae, Lohmanniidae, Oribotritiidae, Astegistidae
3	11	Urodinychidae, Penthaldodidae, Microtrombidiidae, Hydryphantidae, Myobiidae, Pterygosomatidae, Linotetranidae, Neopygmephoridae, Hypochthoniidae, Microzetidae, Listrophoridae,
2	29	Paramegistidae, Dinychidae, Rotundabaloghiidae, Trachytidae, Trematuridae, Ologamasidae, Rhodacaridae, Ameroseiidae, Melicharidae, Halolaelapidae, Podocinidae, Neothrombiidae, Hydrachnidae, Momoniidae, Mideopsidae, Pyemotidae, Pygmephoridae, Phyllochthoniidae, Mesoplophoridae, Protoplophoridae, Synichotritiidae, Licnodamaeidae, Ameridae, Adhaesozetidae, Unduloribatidae, Galumnellidae, Algophagidae, Atopomelidae, Dermationidae

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TABLE 3A. (Continued)

n_{sp}	N_{fam}	Families of mites
1	46	Philodanidae, Metagynuridae, Trigonuropodidae, Epicriidae, Coprozerconidae, Parasitidae, Otopheidomenidae, Macronyssidae, Epilohmanniidae, Chyzeriidae, Leeuwenhoekiiidae, Achaemenothrombiidae, Teratothyadidae, Lebertiidae, Athienemanniidae, Chappuisididae, Caligonellidae, Raphignathidae, Barbutiidae, Cryptognathidae, Caraboacaridae, Scutacaridae, Calyptostomatidae, Trochometridiidae, Trhypochthoniidae, Hermanniellidae, Liacaridae, Otocephaeidae, Cepheidae, Machuelliidae, Autognetidae, Fortuyniidae, Scutoverticidae, Oribatulidae, Zetomotrichidae, Mochlozetidae, Haplozetidae, Parakalummidae, Ceratozetidae, Winterschmidtidae, Euglycyphagidae, Pterolichidae, Pteronyssidae, Xolalgidae, Teutonidae

TABLE 3B. Systematic list of the number of new species from *SAA* and *Zootaxa* during 2007–2012 ($N_{sp.n-2007-2012}$) in comparison to total number of species known in the world ($N_{total-2011}$) according to Beaulieu *et al.* (2011), Schatz *et al.* (2011), Walter *et al.* (2011), Zhang (2011d) and Zhang *et al.* (2011)

Taxa	$N_{sp.n-2007-2012}$	$N_{total-2011}$
Superorder Parasitiformes		
Order Opilioacarida		
Superfamily Opilioacaroidae		
Family Opilioacaridae	9	35
Order Mesostigmata		
Suborder Trigynaspida		
Infraorder Antennophorina		
Superfamily Celaenopsoidea		
Family Diplogyniidae	8	85
Superfamily Fedrizzioidea		
Family Fedrizzidae	12	34
Family Klinckowstroemiidae	14	36
Superfamily Parantennuloidea		
Family Philodanidae	1	2
Superfamily Paramegistoidea		
Family Paramegistidae	2	30
Suborder Monogynaspida		
Infraorder Uropodina		
Superfamily Uropodoidea		
Family Dinychidae	2	3
Family Metagynuridae	1	17
Family Rotundabaloghiidae	2	165
Family Trachytidae	2	108
Family Trematuridae	2	401
Family Trigonuropodidae	1	87
Family Urodinychidae	3	267
Family Uropodidae	21	261

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TABLE 3B. (Continued)

Taxa	$N_{\text{sp.n--2007-2012}}$	$N_{\text{total-2011}}$
Suborder Monogynaspida		
Infraorder Gamasina		
Hyporder Epicriiae		
Superfamily Epicrioidea		
Family Epicriidae	1	48
Superfamily Zerconoidea		
Family Coprozerconidae	1	1
Family Zerconidae	18	390
Hyporder Parasitiae		
Superfamily Parasitoidea		
Family Parasitidae	1	426
Hyporder Dermanyssiae		
Superfamily Veigaiioidea		
Family Veigaiidae	5	95
Superfamily Rhodacaroida		
Family Ologamasidae	2	452
Family Rhodacaridae	2	148
Superfamily Eviphidoidea		
Family Eviphididae	15	108
Family Macrochelidae	4	470
Family Pachylaelapidae	5	199
Superfamily Ascoidea		
Family Ameroseiidae	2	148
Family Ascidae	13	338
Family Melicharidae	2	201
Superfamily Rhodacaroida		
Family Halolaelapidae	2	80
Superfamily Phytoseioidea		
Family Blattisociidae	4	369
Family Otopheidomenidae	1	28
Family Phytoseiidae	103	2300
Family Podocinidae	2	25
Superfamily Dermanyssoidea		
Family Laelapidae	14	1316
Family Macronyssidae	1	233
Superorder Acariformes		
Order Trombidiformes		
Suborder Prostigmata		

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TABLE 3B (Continued)

Taxa	$N_{\text{sp.n--2007-2012}}$	$N_{\text{total-2011}}$
Infraorder Eupodina		
Superfamily Bdelloidea		
Family Bdellidae	6	256
Family Cunaxidae	36	329
Superfamily Eriophyoidea		
Family Phytoptidae	5	164
Family Eriophyidae	204	3790
Family Diptilomiopidae	48	450
Superfamily Eupodoidea		
Family Penthalodidae	3	35
Family Rhagidiidae	8	157
Superfamily Halacaroidea		
Family Halacaridae	7	1118
Infraorder Anystina		
Hyporder Anystae		
Superfamily Adamystoidea		
Family Adamystidae	5	20
Hyporder Parasitengona		
Superfamily Calyptostomatoidea		
Family Calyptostomatidae	1	6
Superfamily Erythraeoidea		
Family Erythraeidae	21	771
Superfamily Allotanaupodoidea		
Family Allotanaupodidae	5	6
Superfamily Chyzerioidea		
Family Chyzeriidae	1	30
Superfamily Trombiculoidea		
Family Trombiculidae	19	3100
Family Leeuwenhoeekiidae	1	230
Superfamily Trombidoidea		
Family Achaemenothrombiidae	1	2
Family Neothrombiidae	2	25
Family Microtrombidiidae	3	437
Family Trombidiidae	4	253
Superfamily Hydrachnoidea		
Family Hydrachnidae	2	131
Superfamily Hydryphantoidea		
Family Hydryphantidae	3	329

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TABLE 3B (Continued)

Taxa	$N_{\text{sp.n--2007-2012}}$	$N_{\text{total-2011}}$
Family Hydrodromidae	6	28
Family Teratothyadidae	1	9
Superfamily Lebertioidea		
Family Sperchontidae	12	173
Family Lebertiidae	1	138
Family Teutonidae	1	6
Family Anisitsiellidae	26	159
Family Torrenticolidae	32	397
Superfamily Hygrobatoidea		
Family Pontarachnidae	4	40
Family Limnesiidae	6	227
Family Hygrobatidae	39	846
Family Aturidae	44	800
Family Feltriidae	11	115
Family Unionicolidae	8	477
Superfamily Arrenuroidea		
Family Momoniidae	2	55
Family Mideopsidae	2	113
Family Athienemanniidae	1	43
Family Chappuisididae	1	13
Family Arrenuridae	35	950
Infraorder Eleutherengona		
Hyporder Raphignathina		
Superfamily Cheyletoidea		
Family Cheyletidae	8	438
Family Syringophilidae	68	259
Superfamily Myobioidea		
Family Myobiidae	3	503
Superfamily Pterygosomatoidea		
Family Pterygosomatidae	3	166
Superfamily Raphignathoidea		
Family Camerobiidae	7	146
Family Caligonellidae	1	50
Family Raphignathidae	1	57
Family Barbutiidae	1	5
Family Cryptognathidae	1	52
Family Stigmaeidae	20	502
Superfamily Tetranychioidea		

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TABLE 3B (Continued)

Taxa	$N_{\text{sp.n--2007-2012}}$	$N_{\text{total-2011}}$
Family Tenuipalpidae	24	895
Family Linotetranidae	3	16
Family Tetranychidae	12	1270
Hyporder Heterostigmata		
Superfamily Pyemotoidea		
Family Caraboacaridae	1	7
Family Pyemotidae	2	24
Superfamily Pygmepheroidea		
Family Pygmephoridae	2	310
Family Scutacaridae	1	802
Family Neopygmephoridae	3	248
Superfamily Tarsonemoidea		
Family Podapolipidae	8	239
Family Tarsonemidae	5	566
Superfamily Trochometrдиоidea		
Family Trochometriidiidae	1	6
Order Sarcoptiformes		
Suborder Oribatida		
Infraorder Enarthronota		
Superfamily Atopochthonioidea		
Family Phyllochthoniidae	2	3
Superfamily Hypochthonioidea		
Family Hypochthoniidae	3	25
Family Mesoplophoridae	2	40
Family Lohmanniidae	4	205
Superfamily Protoplophoroidea		
Family Protoplophoridae	2	48
Infraorder Mixonomata		
Superfamily Epilohmannioidea		
Family Epilohmanniidae	1	59
Superfamily Euphthiracarоidea		
Family Euphthiracaridae	12	158
Family Oribotritiidae	4	190
Family Synichotritiidae	2	15
Superfamily Phthiracarоidea		
Family Phthiracaridae	23	817
Infraorder Desmonomata		
Hyporder Nothrina		

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TABLE 3B (Continued)

Taxa	$N_{\text{sp.n--2007-2012}}$	$N_{\text{total-2011}}$
Superfamily Crotonioidea		
Family Crotoniidae	28	164
Family Hermanniidae	16	111
Family Nothridae	8	93
Superfamily Crotonioidea		
Family Trhypochthoniidae	1	65
Hyporder Brachypylina		
Superfamily Plateremaeoidea		
Family Licnodamaeidae	2	12
Superfamily Hermannielloidea		
Family Hermanniellidae	1	57
Superfamily Damaeidea		
Family Damaeidae	8	291
Superfamily Microzetoidea		
Family Microzetidae	3	197
Superfamily Ameroidea		
Family Ameridae	2	37
Superfamily Gustavioidea		
Family Astegistidae	4	48
Family Liacaridae	1	219
Family Peloppiidae	6	81
Superfamily Carabodoidea		
Family Carabodidae	7	345
Family Nippobodidae	5	17
Family Otocephidae	1	408
Superfamily Cepheoidea		
Family Cepheidae	1	87
Superfamily Oppioidea		
Family Machuellidae	1	13
Family Oppiidae	12	1045
Family Autognetidae	1	30
Superfamily Ameronothroidea		
Family Fortuyniidae	1	14
Superfamily Cymbaeremaeoidea		
Family Cymbaeremaeidae	23	125
Superfamily Eremaozetoidea		
Family Eremaozetidae	10	37
Superfamily Licneremaeoidea		

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TABLE 3B (Continued)

Taxa	$N_{\text{sp.n--2007-2012}}$	$N_{\text{total-2011}}$
Family Adhaesozetidae	2	4
Family Scutoverticidae	1	72
Superfamily Phenopeloidea		
Family Unduloribatidae	2	9
Superfamily Oribatelloidea		
Family Oribatellidae	17	131
Superfamily Oripodoidea		
Family Oribatulidae	1	301
Family Zetomotrichidae	1	35
Family Mochlozetidae	1	63
Family Haplozetidae	1	368
Family Parakalummidae	1	47
Superfamily Ceratozetoidea		
Family Ceratozetidae	1	319
Superfamily Galumnoidea		
Family Galumnellidae	2	35
Family Galumnidae	10	461
Hyporder Astigmata		
Superfamily Hemisarcoptoidea		
Family Winterschmidtidae	1	143
Family Algophagidae	2	19
Superfamily Glycyphagoidea		
Family Euglycyphagidae	1	4
Superfamily Sarcoptoidea		
Family Atopomelidae	2	420
Family Chirodiscidae	14	230
Family Listrophoridae	3	169
Family Gastronyssidae	15	42
Superfamily Pterolichoidea		
Family Pterolichidae	1	389
Superfamily Analgoidea		
Family Dermationidae	2	47
Family Proctophyllodidae	29	463
Family Pteronyssidae	1	242
Family Xolalgidae	1	111

Geographic distribution of new species. The new species from SAA and *Zootaxa* during 2007–2012 were described from 92 countries and the distribution of the new species among these countries is highly uneven (Table 4). The top 10 countries accounted for 62% of all the new species and the top country China alone accounted for

18% of the total. The average number of new species per country is 15 and no more than a fifth of the countries are above the average, and 40% of the countries have only 1–3 new species each. The top country for each continent: China for Asia, Australia for Oceania, Brazil for South America, Kenya for Africa, USA for North America and Russia for Europe (Table 4).

TABLE 4. Geographic distribution of new species from *SAA* and *Zootaxa* (2007–2012) among countries (or regions); n_{sp} =number of new species within each country (or region), N_c =number of countries with n_{sp} species.

n_{sp}	N_c	Name of countries (regions)
248	1	P. R. China*
166	1	Australia*
118	1	Iran
76	1	Brazil*
51	2	Kenya, USA*
42	1	Russia
40	2	India*, Turkey
29	1	Vietnam
27	1	Madagascar*
26	1	South Africa*
25	1	Thailand
24	1	Canada
22	2	New Zealand, Poland
20	1	Indonesia*
17	1	Mexico*
15	1	Slovakia
14	1	Ukraine
13	1	Philippines*
12	2	Ethiopia, Malaysia*
11	2	Costa Rica*, Spain
10	2	Chile, Italy
9	5	Botswana, Ecuador*, Ghana, Greece, Zambia
8	3	Japan, Montenegro, Peru*
7	1	UK
6	4	Bulgaria, Cuba, Germany, Tanzania
5	8	Cameroon, Comoros, Egypt, France, Laos, Tunisia, Europe**, Jordan
4	6	Brunei Darussalam, Georgia, Kazakhstan, Panama, Switzerland, Uganda
3	6	Papua New Guinea*, Dominican Republic, Ireland, Mongolia, New Caledonia, Rwanda
2	9	Colombia*, Czech Republic, Federal States of Micronesia, Gabon, Kyrgyzstan, Malagasy Republic, Oman, Saudi Arabia, Serbia
1	22	Albania, Austria, Benin, Belgium, Bosnia and Hercegovina, Burundi, Croatia, Cyprus, Gambia, Guyana, Guatemala, Morocco, Nigeria, Norway, Paraguay, Portugal, Puerto Rico, Sierra Leone, Sri Lanka, Surinam, Swaziland, Zaire*

*17 Megadiverse countries (Mittermeier 1988)

**Five species were labelled as from Europe only, without mention of any countries.

It is interesting to note that among the top 10 hotspots of new species discovery, 8 are developing countries (low or middle income countries according to The World Bank): China (no. 1), Iran (no. 3), Brazil (no. 4), Kenya (no. 5), Russia (no. 7), India (no. 8), Turkey (no. 9) and Vietnam (no. 10). The 17 megadiverse countries (Mittermeier 1988) accounted for 53% of the total new species during from *SAA* and *Zootaxa* during 2007–2012 (these countries marked by * in Table 4) and only five of them make the top 10 in this study (China, Australia, Brazil, USA and India). An earlier study on all papers in *Zootaxa* during 2006 (Tancoigne *et al.* 2011) showed that the top three countries in terms of zootaxonomic output are USA, China and Brazil. The rise of China and Brazil in taxonomic activity and output has been attributed to the increase in the funding and human capacities (Tancoigne *et al.* 2011). It should be noted that most of the 17 megadiverse countries have fewer than 15 new species (the average number of per country), indicating the need to increase the taxonomic work in these countries, especially in South America, Southeast Asia and Africa (Table 4).

List of type localities and depositories of new species in SAA 2007–2012

Superorder **Parasitiformes** (6 species)

Order **Mesostigmata** (6 species)

Suborder **Monogynaspida** (3 species)

Infraorder **Gamasina** (3 species)

Hyporder **Dermanyssiae** (3 species)

Superfamily **Ascoidea** (1 species)

Family **Ascidae** (1 species)

***Asca nelsoni* Beard, Ochoa & Vega, 2011: 8**—Holotype female (USNM, T.01997), domatia on leaves of *Coffea arabica* L., Centro Agronómico Tropical de Investigación y Enseñanza, International Coffee Germplasm Center, Turrialba, Cartago, Costa Rica (9°54.012'N, 83° 39.702'W).

Superfamily **Rhodacaroidea** (2 species)

Family **Halolaelapidae** (2 species)

***Halolaelaps posidonis* Halliday, 2008: 217**—Holotype female (ANIC), seaweed on beach, Largs Bay, Adelaide, South Australia (34°49'S, 138°29'E).

***Halolaelaps bilobatus* Halliday, 2008: 222**—Holotype female (ANIC), seaweed on beach, Christies Beach, Adelaide, South Australia (35°8'S, 138°28'E).

Suborder **Trigynaspida** (3 species)

Infraorder **Antennophorina** (3 species)

Superfamily **Fedrizzioidea** (2 species)

Family **Fedrizzidae** (2 species)

***Neofedrizzia jeffi* Seeman, 2009: 55**—Holotype female (QM, S83948), ex *Aulacocyclus teres*, S. Wright, Dayboro, Queensland, Australia.

***Neofedrizzia susanae* Seeman, 2009: 52**—Holotype female (QM, S83938), ex *Aulacocyclus teres*, S. Wright, Dayboro, Queensland, Australia.

Superfamily **Paramegistoidea** (1 species)

Family **Paramegistidae** (1 species)

***Neomegistus remus* Baker & Seeman, 2008: 206**—Holotype female (QM, S83703), ex. large male millipede, *Proporobolus* sp. (Spirobolida: Rhinocricidae), Lord's Table Mountain, Queensland, Australia.

Superorder **Acariformes** (110 species)

Order **Trombidiformes** (79 species)

Suborder **Prostigmata** (79 species)

Infraorder **Eupodina** (1 species)

Superfamily **Bdelloidea** (1 species)

Family **Cunaxidae** (1 species)

***Rubroscirus nidorum* Ferla & Rocha 2012: 436**—Holotype female (ESALQ/USP), from poultry house chicken nests in Teutônia County, state of Rio Grande do Sul, Brazil.

Infraorder **Anystina** (35 species)

Hyporder **Anystae** (4 species)

Superfamily **Adamystoidea** (4 species)

Family **Adamystidae** (4 species)

Adamystis alvandicus Khanjani, Alvandy, Asali Fayaz & Ueckermann, 2010: 32—Holotype female (BASU) from Spiny Hawthorn trees, *Crataegus aronia* (L.) (Rosaceae), highland of Alvand Mountain, Hamedan, Hamedan province, Iran (34°39.8'27"N, 48°23'0.35"E).

Adamystis iranoturanianensis Beyzavi, Ueckermann & Ostovan 2012: 28—Holotype female (ACIAU) from soil and humus under oak trees (*Quercus* sp., Fagaceae), Kamfiruze, Fars province, Iran, (30°7.15'55"N, 52°15'56.17"E).

Adamystis theroni Fuangarworn & Beyzavi, 2012: 449—Holotype female (ACIAU), from Oaken jungle, Zagros mountain, south of Kamfiruz region, Fars province, Iran (30°8'N, 52°17'E).

Adamystis ueckermanni Fuangarworn & Beyzavi, 2012: 452—Holotype female (ACIAU), from Oaken jungle, Zagros mountain, south of Kamfiruz region, Fars province, Iran (30°8'N, 52°17'E).

Hyporder **Parasitengona** (31 species)

Superfamily **Arrenuroidea** (2 species)

Family **Mideopsidae** (1 species)

Mideopsis (Xystonotus) gereckeii Asadi & Pesic, 2010: 147—Holotype male (NHMB), from the living material, Temnoieh, Rezvan spring, Jiroft city, Jebal Barez Mts., Kerman Province, Iran.

Family **Momoniidae** (1 species)

Momonides ghanaensis Smit, 2012: 346—Holotype male (RMNH), from small rainforest stream, Atewa Hills upstream Sagyimase, Ghana (6°13.964'N, 0°33.116'W).

Superfamily **Erythraeidea** (12 species)

Family **Erythraeidae** (12 species)

Abrolophus mirabelae Haitlinger, 2007: 57—Holotype larva (MNHWU), from herbaceous plants in forest, Sankt Möriz, Switzerland (1850 m).

Andrevella persiangulfia Saboori, Hajiqanbar & Kamali, 2007: 48—Holotype larva (UTKI), free-living on sand, Persian Gulf beach, Hormozgan province, Iran.

Erythraeus (Erythraeus) albanicus Haitlinger, 2012: 340—Holotype larva (MNHWU), from herbaceous plants in Shënavasi n. Sarandë, Albania.

Erythraeus (Erythraeus) berninensis Haitlinger, 2007: 62—Holotype larva (MNHWU), from herbaceous plants on meadows, Col Bernina, Switzerland (2300 m).

Erythraeus (Erythraeus) etnaensis Haitlinger, 2011: 294—Holotype larva (MNHWU), from herbaceous plants in forest in Mareneva, Italy (1200 m).

Erythraeus (Erythraeus) moeritzensis Haitlinger, 2007: 66—Holotype larva (MNHWU), from herbaceous plants, Le Punt Chamnes Ch. n. Sankt Möriz, Switzerland (1950 m).

Erythraeus (Erythraeus) sicilicus Haitlinger, 2011: 291—Holotype larva (MNHWU), from herbaceous plants in Castronuovo di Sicilia, Sicily, Italy.

Leptus (Leptus) canaricus Haitlinger, 2009: 148—Holotype larva (MNHWU), from *Laparocerus crassifrons* Wollaston, Las Cañadas, Tenerife, Canary Islands, Spain.

Leptus (Leptus) edwini Haitlinger, 2009: 145—Holotype larva (MNHWU), from *Laparocerus tessellates* (Brullé), Fuente Joco, Tenerife, Canary Islands, Spain.

Leptus (Leptus) kattikus Haitlinger, 2009: 61—Holotype larva (MNHWU), from herbaceous plants, Kattike, Nepal.

Leptus (Leptus) maxorata Haitlinger, 2009: 142—Holotype larva (MNHWU), from *Herpisticus calvus* Wollaston, Malpais Grande, Fuerteventura, Canary Islands, Spain.

Leptus (Leptus) tenerificus Haitlinger, 2009: 147—Holotype larva (MNHWU), from *Laparocerus fernandesi* Roudier, Las Vegas, Granadilla, Tenerife, Canary Islands, Spain.

Superfamily **Hydrachnoidea** (1 species)

Family **Hydrachnidae** (1 species)

Shivatonia turcicus Boyaci, 2010: 140—Holotype female (FFSDU), from mosses on stones in a fast flowing river, Darıbüküstream, Sütçüler village, west Taurus mountains, Anatolia, Turkey.

Superfamily **Hydryphantoidea** (1 species)

Family **Hydryphantidae** (1 species)

Austrotrombella southcotti Smit, 2012: 350—Holotype male (SAMA), Mambray Creek upstream of junction with Alligator Creek, Mt Remarkable National Park, South Australia, Australia (32°49'14.74"S, 138°03'48.44"E).

Superfamily **Hygrobatidea** (5 species)

Family **Hygrobatidae** (3 species)

- Atractides caspicus* Pesic, Dinipour, Vafaei & Saboori, 2007: 217—Holotype male (MNHP), from the living material, Shafarood stream near Rezvanshahr City, Guilan Province, Iran (49°8'E, 37°33'N).
- Atractides garhwali* Pesic, Kumar & Kumar, 2007: 162—Holotype female (MNHP), freshwater, a tributary of Alaknanda River, Dhundeshwargad stream, Garhwal Himalayas, Uttaranchal State, India.
- Hygrobates gangeticus* Pesic, Kumar & Kumar, 2007: 162—Holotype male (MNHP), freshwater, Gange river near Haridwar City, Uttaranchal State, India.
- Family **Pontarachnidae** (2 species)
- Litarachna brasiliensis* Smit, 2007: 141—Holotype male (ZMAN), water, Tramandaí River, Imbé, Rio Grande do Sul, Brazil (29°58'26.07"S, 50°08'08.55"W).
- Litarachna smiti* Pesic, Chatterjee & Abada, 2008: 134—Holotype male (MNHP), marine macroalgae, Red Sea, Saudi Arabia.
- Superfamily **Lebertioidea** (5 species)
Family **Sperchontidae** (2 species)
- Sperchon indicus* Kumari, Kumari & Pesic, 2007: 32—Holotype female (MNHP), freshwater, a tributary of Alaknanda River, KhandaGad stream, Garhwal Himalayas, Uttaranchal State, India (30°12'N, 78° 43'E).
- Sperchon garhwalensis* Kumari, Kumari & Pesic, 2007: 35—Holotype female (MNHP), freshwater, a tributary of Alaknanda River, KhandaGad stream, Garhwal Himalayas, Uttaranchal State, India (30°12'N, 78°43'E).
- Family **Torrenticolidae** (3 species)
- Monatractides garhwaliensis* Pesic, Kumar & Kumar, 2007: 209—Holotype female (MNHP), from the living material, a tributary of Alaknanda River, Dhundeshwargad stream, Garhwal Himalayas, Uttaranchal State, India.
- Monatractides kermanshahus* Pesic, Arman, Vafaei & Saboori, 2008: 140—Holotype female (MNHP), from the living material, Somar, Kermanshah Province, Iran (45°34'38.57"E, 34°24'37.29"N, 299 m).
- Monatractides sulawesiensis* Pesic & Smit, 2011: 189—Holotype male (RMNH), from the living material, 4 km S of Matayangang, tributary of Sungai Tapokolintang, Sulawesi Utara, Indonesia.
- Superfamily **Trombiculoidea** (4 species)
Family **Trombiculidae** (3 species)
- Aboriginesia imlilica* Brown, 2008: 146—Holotype larva (USNM, 474424), *Apodemus sylvaticus*, a village trailhead into the High Atlas Mountains, Imlil, Marrakech Sector, Morocco (31°14'N, 7°56'W, 1750 m).
- Euschoengastia (Euschoengastia) tanggulensis* Ma, 2011: 298—Holotype larva (EDPCQ), ex *Ochotona curzoniae* Hodgson, from the north region of Tanggula Mountains, Qinghai province, P. R. China (32°40'– 34°55'N, 89°40'– 93°31'E, 4700 m).
- Tanautarsala callithrix* Brown, 2007: 224—Holotype larva (USNM, 378658), *Chlorocebus sabaesus* (Linnaeus, 1758) (Primates: Cercopithecidae), Kudang area, Gambia (13°40'N, 14°3'W, 13 m).
- Family **Leeuwenhoekiiidae** (1 species)
- Shunsennia (Parashunsennia) weni* Ma, 2009: 243—Holotype larva (EDPCQ), ex *Cricetulus longicaudatus*, Huangzhong county, Qinghai, P. R. China (101°30' E, 36°27'N, 2400 m).
- Superfamily **Trombidoidea** (1 species)
Family **Trombidiidae** (1 species)
- Trombidium payamiensis* Saboori, Lotfollahi & Irani-Nejad, 2008: 237—Holotype larva (UTKI), free-living on soil, alfalfa field, Payam village, Tabriz city, East Azarbaijan Province, Iran.
- Infraorder **Eleutherengona** (30 species)
Hyporder **Raphignathina** (20 species)
Superfamily **Raphignathoidea** (13 species)
Family **Barbutiidae** (1 species)
- Barbutia iranensis* Bagheri, Navaei & Ueckermann, 2010: 252—Holotype “deutonymph female” (PPRP), from soil, Marand, East Azarbaijan province, Iran.
- Family **Camerobiidae** (1 species)
- Neophyllobius bamiensis* Khanjani, Asadabadi, Izadi & Doğan, 2012: 68—Holotype female (BASU), from the bark of date (*Phoenix dactylifera* L.) (Arecaceae), in association with *Phoenicoccus marlatti* (Cookerel) (Homoptera: Phoenicoccidae), Bam City, Kerman province, Iran (29°07'26" N, 58°16'01" E).
- Family **Caligonellidae** (1 species)
- Neognathus ueckermanni* Bagheri, Doğan & Haddad, 2010: 66—Holotype female (UMI), from soil under *Medicago sativa* L., Lahijan Village, Osku, East Azarbaijan province, northwestern Iran.
- Family **Raphignathidae** (1 species)

- Raphignathus larestanensis* Bagheri, Akrami & Majidi 2012: 54**—Holotype female (AFUMI), from fibers of date palm, Goude Ivan village, Larestan, Fars province, southern Iran.
Family **Stigmaeidae** (9 species)
- Cheyllostigmaeus gharakhanii* Navaei-Bonab & Bagheri, 2011: 282**—Holotype female (AFUMI), from soil in apple orchards, Marand, East Azerbaijan province, Iran.
- Eustigmaeus nahidae* Gheblealivand & Bagheri, 2012: 218**—Holotype female (AFUMI), from the soil of apple orchards, Bonab, East Azerbaijan province, Iran.
- Ledermuelleriopsis dogani* Khanjani, Pakdelan, Ostovan & Khanjani, 2012: 61**—Holotype female (BASU) from soil under *Euonymus japonicus* Thunberg, (Celastraceae), Fars Science and Research Center Region, Marvdasht, Fars Province, Iran.
- Prostigmaeus khanjanii* Bagheri & Ghorbani, 2010: 124**—Holotype female (UMI), from soil, Maragheh, Yusofabad village, East Azarbaijan Province, Iran.
- Stigmaeus haddadi* Bagheri & Zarei, 2012: 211**—Holotype female (AFUMI), from soil in apple orchards, Miandoab, West Azerbaijan province, Iran
- Stigmaeus marandiensis* Bagheri & Ueckermann, 2011: 182**—Holotype female (PPRP), from soil in apple orchards, Marand, East Azerbaijan province, Iran.
- Stigmaeus miandoabiensis* Bagheri & Zarei, 2012: 442**—Holotype female (NCA-PPRI), from soil in apple orchards, 18 August 2010, Miandoab, West Azerbaijan province, Iran.
- Stigmaeus shendabadiensis* Haddad, Akbari & Lotfolahi, 2010: 119**—Holotype female (UTI), from the soil of an apple orchard at Shendabad, East Azerbaijan, Iran.
- Storchia ardabiliensis* Safasadati, Khanjani, Razmjou & Dogan, 2010: 130**—Holotype female (BASU), from soil under *Corylus avellana*, Feshar shekan village, Ardabil City, Aldabil province, Iran (48°18'5"E, 38°14'5"N, 1500 m).
Superfamily **Tetranychoidae** (7 species)
Family **Tetranychidae** (4 species)
- Schizotetranychus tegophallos* Flechtmann & Peralta-Alba, 2012: 231**—Holotype male (ESALQ/USP), from leaves of papyrus sedge or papyrus reed, *Cyperus involucratus* Rottb. (Cyperaceae), cultivated in greenhouses, Quillota, Comuna de Hijuelas, Valparaiso, Chile.
- Sonotetranychus kermanensis* Khodayari, Kamali & Fathipour, 2008: 150**—Holotype female (TMU), *Ficus carica* Wollaston, Kerman, Iran (30°18'N, 57°04'47"E).
- Sonotetranychus tawhairauriki* Zhang & Bennett, 2009: 162**—Holotype female (NZAC, ZQZ 20020412-1), *Nothofagus solandri* var. *cliffortioides*, New Zealand.
- Tetranychus palmarum* Flechtmann & Noronha, 2011: 67**—Holotype female (ESALQ/USP), *Elaeis guineensis* Jac. (Arecaceae), “dendê”, African oil palm, Belém, Pará, Brazil (1°26'13.20"S, 48°26'45.60"W).
Family **Tenuipalpidae** (3 species)
- Aegyptobia iranensis* Khanjani, Gotoh & Varandi, 2008: 66**—Holotype female (BASU), from *Juniperus communis* L. (Cupressaceae), Behshahr, Iran.
- Aegyptobia yertle* Seeman & Beard, 2011: 75**—Holotype female (WAM, T108233), ex. summer pink calytrix or summer starflower, *Calytrix fraseri* (Myrtaceae), Watheroo National Park, 50 km N Moura, 10 km E Watheroo, Western Australia (30°19'04"S, 115°58'26"E).
- Dolichotetranychus kermanicus* Khanjani, Asadabadi & Izadi, 2011: 92**—Holotype female (BASU), soil covered by grass under orange trees, *Citrus sinensis* Pers., in the countryside around Bam, Kerman province, Iran (29°07'26"N, 58°16'01"E, 1148 m).
Hyporder **Heterostigmata** (9 species)
Superfamily **Tarsonemoidea** (9 species)
Family **Podapolipidae** (8 species)
- Dorsipes balli* Husband & Husband, 2010: 48**—Holotype female (UASM, RWH 80709–10), under elytra of *Carabus taedatus* Fabricius, Lake Lillian, four miles west of Athalmer, British Columbia, Canada (50°30'18"N, 116°5'56.4"W).
- Dorsipes diplocheilae* Kurosa & Husband, 2011: 256**—Holotype female (NSMT), from *Diplocheila zeelandica* (Redtenbacher) (Coleoptera: Carabidae), Funaura, Iriomote Is., Okinawa Prefecture, Japan.
- Dorsipes zeelandicae* Kurosa & Husband, 2011: 259**—Holotype female (NSMT), from *Diplocheila zeelandica* (Redtenbacher) (Coleoptera: Carabidae), Yoshii-machi, Fukuoka Prefecture, Japan.
- Eutarsopolipus jacobi* Husband & Husband, 2012: 75**—Holotype female (UMMZ, RWH29052011-4), from *Diplocheila impressicollis* Dejean (Coleoptera: Carabidae), Washtenaw County, Michigan, USA.

- Eutarsopolipus osunaharae* Husband & Kurosa, 2012: 84**—Holotype female (NSMT, 21989-3) from *Diplocheila zeelandica* (Redtenbacher) (Coleoptera: Carabidae), Takeoka, Futtsu-shi, Chiba Pref., Japan.
- Eutarsopolipus steveni* Khaustov, 2010: 59**—Holotype female (NBG), from *Chlaenius (Stenochlaenius) coeruleus* (Steven), bank of Eastern Gumista river, Abkhasia, Western Caucasus, Georgia.
- Podapolipus kurosai* Husband, 2011: 52**—Holotype female (UMMZ, RWH181109-1), from metanotum, under the pronotum of *Phloeonotus humilis* (Gerstaecker) (Orthoptera: Tetrigidae), Kwalusemi, Swaziland.
- Tetrapolipus anoplophorae* Husband & Husband, 2011: 268**—Holotype female (DECU), from thoracic meso- and metanotum, wing bases and anterior abdominal intersegmental membranes of *Anoplophora lucipor* Newman (Coleoptera: Cerambycidae), Bataan, Luzon, Limay Province, Philippines.
- Family **Tarsonemidae** (1 species)
- Steneotarsonemus (Steneotarsonemus) saccharum* Lin, Chen & Zhang, 2009: 226**—Holotype female (FAAS), on *Saccharum officinarum*, Fanyu District, Guangzhou City, Guangdong Province, P. R. China.
- Hyporder **Parasitengona** (1 species)
- Superfamily **Calyptostomatoidea** (1 species)
- Family **Calyptostomatidae** (1 species)
- Calyptostoma gorganica* Saboori & Soukhtsaraii 2012: 37**—Holotype larva (JAZM, ARS-20101223-1a) ectoparasitic on *Limonia caucasica* (Diptera: Tipulidae) in Shast Kalateh forest, Gorgan City, Golestan Province, North of Iran (36°46'N, 54°21'E).
- Infraorder **Eupodina** (13 species)
- Superfamily **Eriophyoidea** (13 species)
- Family **Eriophyidae** (13 species)
- Aceria haloxylonis* Xue, Zhang, Li & Hong, 2012: 203**—Holotype female (NJAU), from *Haloxylon ammodendron* (C.A. Mey.) Bunge (Chenopodiaceae), 149 Tuan of Division 8th of Xinjiang Production and Construction Corps, P. R. China.
- Aceria neopaederiae* Konvipasruang, Chandrapatya & Amrine, 2012: 193**—Holotype female (DEKU), from galls of *Paederia foetida* L. (Phang Hom), Rubiaceae; Amphoe Mueang, Nakhon Si Thammarat Province, Thailand (08°31.180'N, 99°56.930'E).
- Catachela acaciae* Santana, 2011: 177**—Holotype female (LCCV), from *Acacia farnesiana* (L.) Willd. (Fabaceae, Mimosoideae), Limones, Punta de Maisí, Guantánamo, Cuba.
- Epitrimerus angustisternalis* Flechtmann, 2010: 74**—Holotype female (USPB), from the leaves of *Bougainvillea spectabilis* Willd. (Nyctaginaceae), Campus “Luiz de Queiroz”, Piracicaba, São Paulo, Brazil (22°42'30"S, 47°38'W).
- Epitrimerus sessiliflorensis* Xue & Hong, 2011: 306**—Holotype female (NJAU, NJAUAcariEri615), from *Eleutherococcus sessiliflorus* (Rupr. et Maxim.) S. Y. Hu. (Araliaceae), Jingbo lake, Heilongjiang Province, P. R. China (44°2'33"N, 128°56'35"E, 376 m).
- Epitrimerus syzygicuminus* Xue & Hong, 2011: 309**—Holotype female (NJAU, NJAUAcariEriQ97), from *Syzygium cumini* (Lin.) Skeels (Myrtaceae), Bawangling Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°7'3"N, 109°9'2"E, 650 m).
- Epitrimerus torus* Flechtmann, 2010: 72**—Holotype female (USPB), from the leaves of *Acalypha reptans* Sn. (Euphorbiaceae), Campus “Luiz de Queiroz”, Piracicaba, SP, Brazil (22°42'30"S, 47°38'W).
- Epitrimerus verrucoser* Xue & Hong, 2011: 314**—Holotype female (NJAU, NJAUAcariEri588), from *Euonymus verrucosus* Scop. (Celastraceae), Changbai Mountain, Jilin Province, P. R. China (42°2'27"N, 128°3'30"E, 1892 m).
- Tegolophus breyniafruticosae* Xue, Cheng & Hong, 2011: 321**—Holotype female (NJAU, NJAUAcariEriQ107), from *Breynia fruticosa* (Linn.) Hook. f. (Euphorbiaceae), Bawangling Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°7'3"N, 109°9'2"E, 650 m).
- Tegolophus cymbopogus* Xue, Cheng & Hong, 2011: 323**—Holotype female (NJAU, NJAUAcariEriQ80), from *Cymbopogon tortilis* (J. Presl) A. Camus (Poaceae), Bawangling Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°7'3"N, 109°9'2"E, 650 m).
- Tegolophus glabrifolius* Xue, Cheng & Hong, 2011: 326**—Holotype female (NJAU, NJAUAcariEriQ65), from *Tetradium glabrifolium* (Champ. ex Benth.) Hartley (Rutaceae), Bawangling Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°7'3"N, 109°9'2"E, 650 m).
- Tegolophus oblatus* Xue, Cheng & Hong, 2011: 330**—Holotype female (NJAU, NJAUAcariEriQ625), from *Syringa oblata* Lindl. (Oleaceae), Bawangling Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°7'3"N, 109°9'2"E, 650 m).

- Tetra indiciva* Flechtmann, 2009: 237**—Holotype female (USPB), from shoots of *Murraya paniculata* (L.) Jack. (Rutaceae), Campus “Luiz de Queiroz”, Piracicaba, SP, Brazil (22°42'30"S, 47°38'W).
Order **Sarcoptiformes** (31 species)
Suborder **Oribatida** (31 species)
Infraorder **Mixonomata** (1 species)
Superfamily **Epilohmannioidea** (1 species)
Family **Epilohmanniidae** (1 species)
- Epilohmannia crassisetosa* Ermilov & Anichkin, 2012: 92**—Holotype female (ZIRAS), from Cat Tien National Park, in dark loamy soil of *Lagerstroemia* forest, southern Vietnam (11°25'N, 107°25'E).
Infraorder **Desmonomata** (22 species)
Hyporder **Nothrina** (1 species)
Superfamily **Crotonioidea** (1 species)
Family **Trhypochthoniidae** (1 species)
- Trhypochthonius lopezvallei* Arillo, Subías & Shtanchaeva, 2012: 108**—Holotype (FCPT), from the San Just outcrop, in the municipality of Utrillas, near the village of Escucha, Teruel Province, Spain.
Hyporder **Astigmata** (3 species)
Superfamily **Glycyphagoidea** (1 species)
Family **Euglycyphagidae** (1 species)
- Zibethacarus beeri* Fashing & Burton, 2007: 168**—Holotype male (USNM), from the nest of *Microtus oregoni* (Bachman) (Rodentia: Muridae), two miles west of Mary's Peak, Lincoln County, Oregon, USA.
Superfamily **Hemisarcoptoidea** (2 species)
Family **Algophagidae** (2 species)
- Fusohericia heliconiae* Fashing & Glist, 2012: 319**—Holotype female (AINB), from the fluid-filled bracts of *Heliconia imbricata* at La Selva Biological Station and Reserve, Heredia Province, Costa Rica.
- Hericia janehenleyi* Fashing, 2008: 7**—Holotype male (USNM), from fermenting sap flux on Post Oak (*Quercus stellata* Wangenheim), Mariners' Museum Park, Newport News, VA, USA.
Hyporder **Brachypyliina** (18 species)
Superfamily **Hermannielloidea** (1 species)
Family **Hermanniellidae** (1 species)
- Hermannobates bifurcatus* Ermilov & Kalúz 2012: 270**—Holotype male (ZIRAS), from Reserva de Bosque Integral Otonga, near San Francisco de las Pampas, Ecuador (0°25'8.04"S, 79°0'14.04"W).
Superfamily **Damaeidea** (1 species)
Family **Damaeidae** (1 species)
- Spatiodamaeus bomeensis* Xie, Huang, Yan, Huang & Yang, 2012: 419**—Holotype female (GUGC), from litter under pine tree, Nyingchi of Tibet, Bome country, P. R. China (29°53'44.68"N, 95°40'47.75"E).
Superfamily **Gustavioidea** (2 species)
Family **Astegistidae** (1 species)
- Furcoppia cattienica* Ermilov & Anichkin, 2012: 95**—Holotype female (ZIRAS), from Cat Tien National Park, in dark loamy soil of *Lagerstroemia* forest, southern Vietnam (11°25'N, 107°25'E).
Family **Liacaridae** (1 species)
- Xenillus brevisetosus* Ermilov & Kalúz, 2012: 274**—Holotype female (ZIRAS), from Reserva de Bosque Integral Otonga, near San Francisco de las Pampas, Ecuador (0°25'8.04"S, 79°0'14.04"W).
Superfamily **Carabodoidea** (2 species)
Family **Carabodidae** (1 species)
- Austrocarabodes klutzi* Ermilov, Winchester, Lowman & Wassie, 2012: 305**—Holotype female (ZIRAS), from Afro-montane forest, northern highlands of Ethiopia (11°51'N, 37°59'E).
Family **Otocephidae** (1 species)
- Dolicheremaeus aethiopicus* Ermilov, Sidorchuk & Rybalov, 2010: 236**—Holotype (ZIRAS), in soil, Harena Forest, Bale Mountains National Park, Ethiopia (6°38'N, 39°43'E, 1883 m).
Superfamily **Cepheoidea** (1 species)
Family **Cepheidae** (1 species)
- Ommatocephus nortoni* Arillo, Subías & Shtanchaeva, 2008: 253**—Holotype (MCNA, 13348), fossil, Salinillas de Buradón outcrop, Spanish Lower Cretaceous, Albian, Spain.
Superfamily **Galumnoidea** (2 species)

Family **Galumnidae** (2 species)

Pergalumna makarovae Ermilov, Sidorchuk & Rybalov, 2010: 245—Holotype female (ZIRAS), in mosses on trees, Harena Forest (wood species *Hagenia abyssinica* forming the canopy), Bale Mountains National Park, Ethiopia (6°42'N, 39°43'E, 2249 m).

Psammogalumna iranica Akrami, Haddad & Mirzaie, 2011: 28—Holotype male (SUI), from soil and litter under apple (*Malus* spp.) and peach (*Prunus persica* (L.)) trees, and in alfalfa fields (*Medicago sativa* L.), Shend Abad region, Shabestar township, East Azerbaijan province, northeastern Iran (38°8'N, 45°7'E, 1400 m).

Superfamily **Microzetoidea** (2 species)

Family **Microzetidae** (2 species)

Schalleriella vietnamica Ermilov & Anichkin, 2011: 170—Holotype (ZIRAS), from dark loamy soil of a lagerstroemia forest, Cat Tien National Park, southern Vietnam (11°25'N, 107°25'E, 149 m).

Christovizetes iranensis Akrami & Behmanesh, 2011: 247—Holotype (SUI), soil under hawthorn shrubs (*Crataegus* sp.), Badjgah Village, Shiraz, Fars Province, southern Iran (29°32'N, 52°5'E, 1810 m).

Superfamily **Oppioidea** (7 species)

Family **Oppiidae** (6 species)

Medioppia bipectinata Akrami & Subias, 2007: 241—Holotype (SUI), from humus-rich soils under forest trees, Nowshahr, Mazandaran province, Iran (36°7'N, 51°30'E, 19 m).

Multioppia chilensis Ermilov & Pesic, 2011: 242—Holotype male (CM), stream water, Seno Nord 2, Madre de Dios Island.

Oxyoppia (Dzarogneta) iranensis Akrami & Subias, 2008: 248—Holotype (SUI), soil of pasture plants, especially *Bromus* sp., Aftalet village, Behshahr, Mazandaran province, Iran (36°33'N, 53°43'E, 1550–1700 m).

Pseudantarcticola aquatica Ermilov & Pesic, 2011: 237—Holotype male (CM), stream water, Pacifique 1, Madre de Dios Island, Chile.

Separatoppia horvathae Ermilov, Sidorchuk & Rybalov, 2011: 22—Holotype male (ZIRAS), in soil, Harena Forest, Bale Mountains National Park, Ethiopia (6°38'N, 39°43'E, 1883 m).

Serratoppia iranica Akrami, Subias & Saboori, 2009: 171—Holotype (SUI), from soils under deciduous forest trees, Koliak village, Nowshahr City, Mazandaran province, Iran (36°7'N, 51°30'E, 1823 m).

Family **Autognetidae** (1 species)

Autogneta (Rhaphigneta) iranica Akrami, Mortazavi & Hajizadeh, 2010: 113—Holotype (SUI), soil under Persian ironwood trees (*Parrotia persica* (DC.)), Rasht, Saravan forest, Guilan province, Northern Iran (37°18'N, 49°6'E).

Infraorder **Enarthronota** (8 species)

Superfamily **Hypochthonioidea** (3 species)

Family **Hypochthoniidae** (1 species)

Nothrolohmannia samarensis Norton & Corpuz-Raros, 2010: 40—Holotype (UPLB), from litter and soil in secondary dipterocarp forest, Barangay Benowangan; Borongan, Eastern Samar; Samar Island, Philippines.

Family **Lohmanniidae** (2 species)

Annectacarus hammerae Shiji, Haq & Ramani, 2007: 230—Holotype female (CUI), from soil and litter samples, the Botanical Garden, Calicut University Campus, Kerala, India.

Cryptacarus keralensis Shiji, Haq & Ramani, 2007: 232—Holotype female (CUI), from soil and litter samples, the premises of the Ladies' Hostel and Botanical Garden, Calicut University Campus, Kerala, India.

Superfamily **Phenopelopoidea** (1 species)

Family **Unduloribatidae** (1 species)

Valbehanella freestatensis Ermilov & Hugo-Coetzee 2012: 409—Holotype female (NMBS), Free State, Erfenis Dam Nature Reserve, central South Africa (28°30'S, 26°48'E).

Superfamily **Oripodoidea** (4 species)

Family **Haplozetidae** (1 species)

Pilobatella lowmanae Ermilov, Winchester & Wassie, 2012: 311—Holotype female (ZIRAS), from Reserva de Bosque Integral Otonga, near San Francisco de las Pampas, Ecuador (0°25'8.04"S, 79°0'14.04"W).

Family **Parakalummidae** (1 species)

Neoribates (Neoribates) granulatus Akrami & Behmanesh, 2010: 429—Holotype male (SUI), from soil of oak trees (*Quercus* sp.), Dasht Arjan, Shiraz, Fars province, southern Iran (29°34'N, 51°56'E).

Family **Zetomotrichidae** (1 species)

Mabulatrachus iranicus Akrami & Coetzee, 2007: 248—Holotype (SUI), from soil under cypress trees (*Cupressus* sp.), the beginning of Kandelous road (2 km), Mazandaran province, Iran.

Family **Mochlozetidae** (1 species)

Unguizetes asiaticus Ermilov & Anichkin, 2012: 99—Holotype female (ZIRAS), from Cat Tien National Park, in dark loamy soil of *Lagerstroemia* forest, southern Vietnam (11°25'N, 107°25'E).

List of type localities and depositories of new species in Zootaxa 2007–2012

Superorder **Parasitiformes** (1263 species)

Order **Opilioacarida** (9 species)

Superfamily **Opilioacaroidea** (9 species)

Family **Opilioacaridae** (9 species)

Caribeacarus armasi Vázquez & Klompen, 2009: 36—Holotype female (UNAM, OSAL0007916, 8113, 8112), ex dry litter microphyll pine forest, Cojimar, 6km NE of Boca de Cojimar, La Habana prov., Cuba (23°09'57"N, 082°17'35"W).

Caribeacarus panamensis Vázquez & Klompen, 2009: 41—Holotype female (OSAL, OSAL0007883), Pueblo Nuevo Cave, Panama, Panama (9°3'60"N, 78°45'0"W).

Neocarus calakmulensis Vázquez & Klompen, 2009: 25—Holotype female (UNAM, OSAL0007618–7620), high tropical forest, km34, zona nucleo, Calakmul Biosphere Res., Campeche, Mexico (18°6'30"N, 89°48'W).

Neocarus potiguar Bernardi, Zacarias & Ferreira, 2012: 55—Holotype, female (MZLQ, 2814), collected in Gruta do Pinga cave, municipality of Baraúna, Rio Grande do Norte State, Brazil.

Neocarus veracruzensis Vázquez & Klompen, 2009: 33—Holotype female (UNAM, OSAL0007719–7721), ex dune sand, Veracruz, El Morro de La Mancha, Mexico.

Salfacarus antsiranensis Vázquez & Klompen, 2010: 5—Holotype female (CAS18500, OSAL007754–57), sifted litter (BLF3200), littoral rainforest, 3.6 km 128° SE Remena, Forêt de Orangea, Antsiranana, Madagascar (12°15'32"S, 49°22'29"E, 90 m).

Salfacarus kirindiensis Vázquez & Klompen, 2010: 8—Holotype female (CAS 18501, OSAL092006–07), litter, leaf mold, rotten wood (EF19, BLF4600), tropical dry forest, 15.5 km 64° ENE Marofandilia, Forêt de Kirindy, Toliara, Madagascar (20°02'42"S, 44°39'44"E, 100 m).

Salfacarus mahafaliensis Vázquez & Klompen, 2010: 11—Holotype female (CAS 18502, OSAL007323–24), spiny forest / thicket (EH18, BLF5763), 6.2 km 74° ENE Itampolo, Mahafaly Plateau, Toliara, Madagascar (24°39'13"S, 43°59'48"E, 80 m).

Salfacarus ranobensis Vázquez & Klompen, 2010: 15—Holotype female (CAS 18503, OSAL092010–11), litter, mold, rotten wood (EH11, MGF064), spiny forest/thicket, Ranobe, Toliara, Madagascar (23°02'03"S, 43°36'43"E, 30 m).

Order **Mesostigmata** (263 species)

Suborder **Trigynaspida** (36 species)

Infraorder **Antennophorina** (36 species)

Superfamily **Celaenopsoidea** (8 species)

Family **Diplogyniidae** (8 species)

Paradiplogynium nahmani Seeman, 2007: 32—Holotype female (QM), ex adult *Titanolabis colossea* (Dermaptera: Anisolabididae) from beneath bark of a large rotting log, Duck Ck, Lamington National Park, Qld, Australia.

Paradiplogynium caitlinae Seeman, 2012: 37—Holotype female (QM), ex *Panesthia tryoni tryoni* Queensland, Beech Forest Circuit, Lamington National Park, Australia.

Paradiplogynium damieni Seeman, 2012: 40—Holotype female (QM), ex *Panesthia tryoni tryoni*, Queensland, Blue Pool Circuit, Lamington National Park, Australia.

Paradiplogynium elizabethae Seeman, 2012: 42—Holotype female (QM), ex *Panesthia tryoni*, Queensland, Lamington National Park, Kroombit Tops, Australia.

Paradiplogynium isaaci Seeman, 2012: 44—Holotype female (QM), ex *Panesthia cribrata*, Queensland, Fire Tower Rd, Jimna State Forest, Australia.

Paradiplogynium karii Seeman, 2012: 46—Holotype female (QM), ex pinned *Panesthia sloanei*, Queensland, Mt Belleden Ker, Centre Peak Summit, Australia.

Lobogyniella harrinahmani Seeman, 2012: 34—Holotype female (QM), ex *Panesthia ancaudelloides* Queensland, Curtain Fig, 2 km SW Yungaburra, Australia.

- Weiseronyssus persicus* **Kazemi, Klompen, Moraza, Kamali & Saboori, 2008: 19**—Holotype female (TMU), from *Oryctes nasicornis*, Galugah region, eastern part of Mazandaran Province, Iran (36°41'55", 53°50'24").
- Superfamily **Fedrizzioidea** (24 species)
Family **Fedrizzidae** (10 species)
- Fedrizzia abradoalves* **Seeman, 2007: 16**—Holotype female (QM, S73928), ex *Pharochilus dilatatus* (Dalman), 2 km E Sunday Ck, JSF, Australia.
- Fedrizzia gilloglyi* **Seeman, 2007: 24**—Holotype female (EMBT), ex *Leptaulax dentatus* (Fabricius), Dong Yai subdist., Sri Sawat Dist., Kanchanaburi Prov., Thailand (14.697°N, 98.870°E, 350 m).
- Fedrizzia parvipilus* **Seeman, 2007: 27**—Holotype female (QM, S74040), on *Mastachilus quaestionis* (Kuwert), Peter's Rd, JSF, Queensland, Australia.
- Neofedrizzia bunyas* **Seeman, 2007: 33**—Holotype female (QM, S74092), on *P. dilatatus*, BM, Cherry Plain, Queensland, Australia.
- Neofedrizzia gordonii* **Seeman, 2007: 37**—Holotype female (EMBT), ex 5 *Aceraius helferi* (Kuwert), Patang Stn., Chaing Dao W.R., Chaing Mai Pr., Thailand (19.54°N, 98.97°E, 500 m).
- Neofedrizzia helenae* **Seeman, 2007: 39**—Holotype female (QM, S74146), on passalid *M. australasicus*, Curtain Fig, Atherton Tableland, Queensland, Australia.
- Neofedrizzia imparmentum* **Seeman, 2007: 40**—Holotype female (QM, S74166), on passalid *M. australasicus*, Curtain Fig, Atherton Tableland, Queensland, Australia.
- Neofedrizzia janae* **Seeman, 2007: 42**—Holotype female (EMBT), ex 5 *Aceraius helferi*, Patang Stn., Chaing Dao W.R., Chaing Mai Pr., Thailand (19.54°N, 98.97°E, 500 m).
- Neofedrizzia lepas* **Seeman, 2007: 46**—Holotype female (QM, S74182), on *Austropassalus hultgreni* Mjöberg, Mt Lewis Rd, Mt Lewis, Queensland, Australia.
- Neofedrizzia sulawesi* **Seeman, 2007: 47**—Holotype female (MZBB), on passalid, Dumoga-Bone Natl. Pk., Bolaang Mongondow Prov., Sulawesi Utara, Indonesia (0°34'N, 123°53'E).
- Family **Klinckowstroemiidae** (14 species)
- Klinckowstroemia bifurcata* **Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 7**—Holotype female (CNAC, 006514), from *Odontotaenius zodiacus* (Truqui), pine-oak forest, 2 km Federal Highway Crucero-Tianguistengo, Hidalgo, Mexico (20°40.413'N, 98°40.255'W, 2080 m).
- Klinckowstroemia ballesterosi* **Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 39**—Holotype female (CNAC, 006640), from *Odontotaenius zodiacus*, pine-oak forest, Municipality of Soledad Atzompa, Soledad Atzompa, Veracruz, Mexico (18°44.712'N, 97°40.967'W, 2125 m).
- Klinckowstroemia brevimarginata* **Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 19**—Holotype female (CNAC, 006585), from *Verres* aff. *intermedius*, oak forest, 101 km Federal highway Puerto Escondido-Oaxaca, Oaxaca, Mexico (16°28.156'N, 97°01.674'W, 1906 m).
- Klinckowstroemia cristinae* **Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 40**—Holotype female (CNAC, 006649), from *Odontotaenius zodiacus*, pine-oak forest, 2 km Federal highway Crucero-Tianguistengo, Hidalgo, Mexico (20°40.413'N, 98°40.255'W, 2080 m).
- Klinckowstroemia franckei* **Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 26**—Holotype female (CNAC, 006603), from *Odontotaenius zodiacus*, pine-oak forest, Ejido Atepixco, Municipality Zacualtipan, Hidalgo, Mexico (20°35.466'N, 98°36.358'W, 1972 m).
- Klinckowstroemia hunteri* **Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 8**—Holotype female (CNAC, 006530), from *Odontotaenius zodiacus* (Truqui), pine-oak forest, 2 km Mojonera-Tizapan, municipality Zacualtipan, Hidalgo, Mexico (20°38.107'N, 98°35.981'W, 2019 m).
- Klinckowstroemia melissae* **Villegas-Guzman, Reyes-Castillo & Pérez, 2011: 25**—Holotype female (CNAC, 006729), from undescribed *Pseudacanthus* sp., mountain rain forest, 7 km. E San Pedro-San Pablo Ayutla, Ixtlán de Juárez, Oaxaca, Mexico (17 35. 293'N, 96 27. 162'W, 2459 m).
- Klinckowstroemia montanoi* **Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 11**—Holotype female (CNAC, 006538), from *Verres* aff. *intermedius*, oak forest, 8 km NW San Miguel Coatlán, Federal highway Cuixtla-San Miguel Coatlán, Oaxaca, Mexico (16°15.064'N, 96°41.629'W, 2170 m).
- Klinckowstroemia oconnori* **Villegas-Guzman, Reyes-Castillo & Pérez, 2011: 31**—Holotype female (NMNH), Cerro Azul, Panama, Panama (950 m).
- Klinckowstroemia pennula* **Villegas-Guzman, Reyes-Castillo & Pérez, 2011: 21**—Holotype female (CNAC, 006706), from undescribed *Pseudacanthus* sp., mountain rain forest, 7 km E San Pedro-San Pablo Ayutla, Ixtlán de Juárez, Oaxaca, Mexico (17°35. 293'N, 96°27. 162'W, 2459 m).

Klinckowstroemia rectimarginata Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 25—Holotype female (CNAC, 006597), from *Paxillus leachi* MacLeay, Dos Amates, Municipality Catemaco, Veracruz, Mexico (18°29.35'N, 95°03.58'W, 120 m).

Klinckowstroemia santibanezi Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 32—Holotype female (CNAC, 006620), from *Proculejus sartorii*, pine forest, Municipality of Ixtlán de Juárez, Oaxaca, Mexico (17°31.722'N, 96°30.678'W, 2742 m).

Klinckowstroemia stilla Villegas-Guzman, Reyes-Castillo & Pérez, 2011: 28—Holotype female (CNAC, 006739), from *Proculus goryi*, mountain rain forest, Ejido Benito Juárez, Reserva de la Biosfera Volcán Tacaná, Chiapas, Mexico (15°05.966'N, 92°08.600'W, 1687 m).

Klinckowstroemia valdezi Villegas-Guzman, Pérez & Reyes-Castillo, 2009: 15—Holotype female (CNAC, 006558), from *Proculejus hirtus* (Truqui), pine-oak forest, 1.5 km N Viborillas, municipality Huayacocotla, Veracruz, Mexico (20°31.245'N, 98°29.923'W, 2328 m).

Superfamily **Parantennuloidea** (1 species)

Family **Philodanidae** (1 species)

Afrophilodana africana Kontschán & Seeman, 2011: 44—Holotype female (HNHM), litter and soil of montane rain forest, near to lodge, Shimba Hills National Park, Kenya.

Superfamily **Paramegistoidea** (1 species)

Family **Paramegistidae** (1 species)

Ophiomegistus spectabilis Klompen & Austin, 2007: 48—Holotype female ((LSUMZ. OSAL004135-338 (3M, 1F)), from *Sphenomorphus pratti* (Scincidae), NE of Penchal Village, Rambutoy Island, Manus, Papua New Guinea (02°20'26"S, 147°47'40"E, 100–150 m).

Suborder **Monogynaspida** (229 species)

Infraorder **Uropodina** (34 species)

Superfamily **Uropodoidea** (34 species)

Family **Dinychidae** (2 species)

Dinychus serratus Kontschán & Starý, 2011: 5—Holotype female (HNHM), from fallen acorns with soil, along and over a rivulet, Sín Chai, Hoáng Liên N.P. Tram Ton, Lao Cai Prov., Vietnam (22°20.941'N, 103°46.197'E, 1936 m).

Editella thailandica Kontschán, 2011: 55—Holotype female (NHMG), Khao Yai National Park, NE from Bangkok, Thailand (750–850 m).

Family **Metagynuridae** (1 species)

Mixturopada evansi Baker & Monson, 2007: 43—Holotype female (NHM), damp rotten straw down to depths of 15cm, up to c. 1 metre inwards from open edge of Dutch barn, Marsh Farm (grid ref. SD287059), Formby, South Lancashire, England, UK.

Family **Rotundabaloghiidae** (2 species)

Angulobaloghia scrobica Kontschán & Starý, 2011: 22—Holotype female (HNHM), moss sample from a fallen tree trunk in the rain-forest, Cam Ly area, Da Lat, Vietnam.

Depressorotunda (Depressorotunda) alveolata Kontschán & Starý, 2011: 23—Holotype female (HNHM), litter sample, submontane foggy forest, Tam Dao, Vietnam (1200 m).

Family **Trachytidae** (2 species)

Trachytes vietnamensis Kontschán & Starý, 2011: 2—Holotype female (HNHM), from moss, along and over a rivulet, Hoáng Liên N.P. Tram Ton, Sín Chai, Lao Cai Province, Vietnam (22°20.941'N, 103°46.197'E, 1936 m).

Uroseius (Apionseius) durjadhanai Kontschán, 2012: 25—Holotype female (HNHM), Kollangod, Palghat District, Kerala, a few kms from Sirvani, netted in grasses, India.

Family **Trematuridae** (2 species)

Trichouropoda aspera Kontschán & Starý, 2011: 7—Holotype female (HNHM), moss, at Ngam Tay du ford lowland riverine, along Khecong River, Vu Quang Nat Res. and Distr., Ha Tinh Prov., Vietnam.

Trichouropoda arjunai Kontschán, 2012: 29—Holotype female (HNHM), Ngarkanda, Hugli District, West Bengal, sifted from garbage-heap in village, India.

Family **Trigonouropodidae** (1 species)

Trigonouropoda (Baloghiatrigon) dominicana Kontschán, 2008: 56—Holotype female (HNHM), epiphyte moss, lowland rainforest fragment along the Constanza road, Monseñor Nouel 10 km NNW of Bonao W of Jima/Pringamosa village, Dominican Republic (19°01'38"N, 70°27'46"W, 450 m).

Family **Urodinychidae** (3 species)

- Paradinychus pilosus* Kontschán & Starý, 2011: 13—Holotype female (HNHM), moss sample from a fallen tree trunk in the rain-forest, Cam Ly area, Da Lat, Vietnam.
- Uroobovella multisetosa* Kontschán & Starý, 2011: 10—Holotype female (HNHM), litter and humus samples from rock crevices and from the base of bushes, Thac Datanla waterfall, Da Lat, Vietnam (1200 m).
- Uroobovella oviformis* Kontschán & Starý, 2011: 9—Holotype female (HNHM), litter sample, submontane foggy forest, Tam Dao, Vietnam (1200 m).

Family **Uropodidae** (21 species)

- Bloszykiella africana* Kontschán, 2010: 64—Holotype female (HNHM), *Erica arborea* heath on summit ridge of Shengena, South Pare Mts, Tanzania (2400–2460 m).
- Castrüdinychus longisetosus* Dylewska, Błoszyk & Halliday, 2010: 3—Holotype female (ANIC, TAS-205), moss on log, site 2, Mt. Mangana, Bruny Island, Tasmania, Australia (43°21'S, 147°13'E).
- Castrüdinychus robynae* Dylewska, Błoszyk & Halliday, 2010: 3—Holotype female (ANIC, TAS-205), litter, site 2, 21 km NNW of Little Swanport, Big Sassy Creek, Tasmania, Australia (42°09'S, 147°55'E).
- Castrüdinychus tasmanicus* Dylewska, Błoszyk & Halliday, 2010: 3—Holotype female (ANIC, TAS-086), litter, site 2, Pipeline Road, Savage River, Tasmania, Australia (41°30'S, 145°20'E).
- Hutufeideria alata* Kontschán, 2011: 62—Holotype female (NHMG), Khao Yai National Park, NE from Bangkok, Thailand (750–850 m).
- Hutufeideria phuketensis* Kontschán, 2011: 59—Holotype female (NHMG), sifting in old secondary forest, Koy Siray, Phuket Province, Thailand (50 m).
- Hutufeideria thailandica* Kontschán, 2011: 59—Holotype female (NHMG), near Kai Bae beach, West side, Ko Chang, Trat prov., Thailand.
- Jedediella horneri* Kontschán & Starý, 2012: 27—Holotype Female (HNHM), California, Del Norte County, Jedediah Smith State Park, USA.
- Phymatodiscus kuni* Kontschán & Starý, 2011: 15—Holotype female (HNHM), tropical forest, Lake Ba Be, Ba Be National Park, Bac Kan Province, Vietnam.
- Rotundabaloghia bukavuensis* Kontschán, 2008: 27—Holotype female (HNHM), bamboo forest, NW of Bukavu town, Kivu Province, Kahuzi-Biega National Park, Zaire (2400 m).
- Rotundabaloghia erinacea* Kontschán, 2008: 25—Holotype female (HNHM), montane rain forest in valley near waterfalls, Cyangugu Prefecture, Uwinka station, Nyungwe Forest Reserve, Rwanda (2000 m).
- Rotundabaloghia lindqvistiformis* Kontschán, 2008: 23—Holotype female (HNHM), in Same District, South Pare Mts., Tanzania (2400–2462 m).
- Rotundabaloghia splendida* Kontschán, 2008: 22—Holotype female (HNHM), Lowland rain forest on waterlogged karstic plateau, Kimboza Forest Reserve, eastern foothills of Uluguru Mts, Tanzania (200–290 m).
- Trachytes axe* Kontschán & Starý, 2012: 31—Holotype female (HNHM), California, Del Norte County, Jedediah Smith State Park, USA.
- Trachytes californica* Kontschán & Starý, 2012: 33—Holotype female (HNHM), California, Del Norte County, Jedediah Smith State Park, USA.
- Uropoda lichenicola* Kontschán & Starý, 2011: 19—Holotype male (HNHM), from lichens, along and over a rivulet, Tram Ton, Hoàng Liên N.P., Sín Chai, Lao Cai Province, Vietnam (22°20.941'N 103°46.197'E, 1936 m).
- Uropoda setata* Kontschán & Starý, 2011: 17—Holotype female (HNHM), litter sample, submontane foggy forest, Tam Dao, Vietnam (1200 m).
- Uropoda bengalica* Kontschán, 2012: 31—Holotype (HNHM), Debrapani, Darheeling District, West Bengal, extracted from litter in indigenous wood, India.
- Uropoda lawrencei* Kontschán, 2012: 34—Holotype female (HNHM), Coonor, Nilgiri Hills, Tamil Nadu, Black Bridge Reserve Forest, extracted from litter, India.
- Uropoda karnai* Kontschán, 2012: 36—Holotype female (HNHM), Female. Berijam, Palni Hills, Tamil Nadu, Nature Reserve, extracted from litter of shola, India.
- Discourella pandui* Kontschán, 2012: 40—Holotype female (HNHM), Berijam, Palni Hills, Tamil Nadu, Nature Reserve, extracted from litter of shola, India.

Infraorder **Gamasina** (195 species)

Hyporder **Epicriiiae** (20 species)

Superfamily **Epicrioidea** (1 species)

Family **Epicriidae** (1 species)

- Epicrius simoni* Mašán, 2008: 59—Holotype female (IZSAS), virgin fir-beech forest (*Abieti-Fagetum*), Niňný Komárník Village, Laborecká Vrchovina Highland, NE Slovakia (49°22'N, 21°41'E).
Superfamily **Zerconoidea** (19 species)
Family **Coprozerconidae** (1 species)
- Neocoprozercon europaeus* Fend'a & Mašán, 2012: 44—Holotype female (CUBS), Čierna hora Mts., Veľký Folkmar Village env., Veľká Hol'a Cave, Slovakia (48°51'N, 21°03'E).
Family **Zerconidae** (18 species)
- Boreozercon emendi* Díaz-Aguilar & Ujvári, 2010: 17—Holotype female (CNC), from mosses and needle leaf-litter, in stand 930-CD, plot 5 at EMEND (Ecosystem Management Emulating Natural Disturbance) research study site, northeastern area, in the Boreal Plains Ecozone, approximately 90 km northwest of Peace River, Alberta, Canada (56°48'13.135"N, 118°19' 31.446"W).
- Mixozzercon albertaensis* Díaz-Aguilar & Ujvári, 2010: 4—Holotype female (CNC), from vascular plants and leaf-litter on forest floor, in stand 867-MX, plot 2 at EMEND (Ecosystem Management Emulating Natural Disturbance) research study site, southern area, in the Boreal Plains Ecozone, approximately 90 km northwest of Peace River, Alberta, Canada (56°44'36.370"N, 118°22'35.480"W).
- Mixozzercon borealis* Díaz-Aguilar & Ujvári, 2010: 12—Holotype female (CNC), from vascular plants and leaf-litter on forest floor, in stand 902-MX, plot 6 at Emend (Ecosystem Management Emulating Natural Disturbance) research study site, southwestern area, in the Boreal Plains Ecozone, approximately 90 km northwest of Peace River, Alberta, Canada (56°45' 44.754"N, 118°24'53.369"W).
- Mixozzercon jasoniana* Díaz-Aguilar & Ujvári, 2010: 8—Holotype female (CNC), from vascular plants and broadleaf-litter on forest floor, in stand 940-DD, plot 6 at EMEND (Ecosystem Management Emulating Natural Disturbance) research study site, northern area, in the Boreal Plains Ecozone, approximately 90 km northwest of Peace River, Alberta, Canada (56°49'5.753"N, 118°21'38.284"W).
- Prozercon achaeus* Ujvári, 2011: 9—Holotype female (HNHM, E-1979), gorge near the village, Petrovitsa, Thesprotia county, Greece (39°33'28.5"N, 20°28'07.8"E, 314 m).
- Prozercon bulbiferus* Ujvári, 2011: 11—Holotype female (HNHM, E-1426), near Thessaloniki Askos, Macedonia county, Greece.
- Prozercon dramaensis* Ujvári, 2011: 14—Holotype female (HNHM, E-2158), dry rotten wood, stream in alder gallery, and limestone rocks above Katafito, Orvilos Mts., Drama county, Greece (41°20.725'N, 23°40.463'E, 823 m).
- Prozercon graecus* Ujvári, 2011: 16—Holotype female (HNHM, E-2580), oak forest south of the village, Karitsa, Ossa Mts, Larisa county, Greece (39°49.615'N, 22°46.174'E, 520 m).
- Prozercon morazae* Ujvári, 2011: 22—Holotype female (HNHM, E-2551), platanus gallery and limestone rocks in the village, Planitero (Landon) Springs, Planitero, Aroania Mts., Arkadia county, Greece (37°56.022'N, 22°09.971'E, 640 m).
- Prozercon norae* Ujvári, 2011: 24—Holotype female (HNHM, E-1991), soil and moss on tree bark, oak wood in the vicinity of Vrosina, Thesprotia, Greece (39°37'14.9"N, 20°31'21.3"E, 360 m).
- Zercon curryi* Moraza, Arroyo & Bolger, 2009: 30—Holotype female (MZUNA, slide SBO- MCM), from moss collected in the middle canopy, Kinnity oak (*Quercus petraea*) forest, Co. Offaly, Ireland (53°10'N, 7°26'W, 200 m).
- Zercon darai* Moraza, 2009 in Moraza, Arroyo & Bolger, 2009: 32—Holotype female (MZUNA, slide MC3L-2), from lower canopy, Sitka spruce (*Picea sitchensis*) 85 year old plantation, Baunreagh, Co. Laois, Ireland (53°07'N, 7°34'W, 360 m).
- Zercon hibernia* Moraza, Arroyo & Bolger, 2009: 34—Holotype female (MZUNA, slide C5ME-2), from middle canopy, Sitka spruce (*Picea sitchensis*) 85 year old plantation, Baunreagh, Co. Laois, Ireland (53°07'N, 7°34'W, 360 m).
- Zercon kezbaniremae* Urhan, 2007: 48—Holotype female (DZPU), Sample of litter and soil in a coniferous forest (mostly *Pinus* sp.), National Park of Yedi Göller, 42 km north of Bolu settlement, Turkey (800–900 m).
- Zercon (Zercoorientalia) formosianus* Ujvári, 2011: 46—Holotype female (HNHM, As-908), leaf-litter from disturbed secondary broad-leaved forest, Jianqing, NW slope of Mt., Szji, Taroko N.P., township, Datong, Ilan County, Taiwan, P. R. China (24°29.142'N, 121°27.294'E, 1621 m).
- Zercon (Zercoorientalia) spinosus* Ujvári, 2011: 49—Holotype female (HNHM, As-866), from leaf-litter, pine forest, Siafoukuong ESRI station, Hohuan-shan, Taroko National Park, Hualien county, Taiwan, P. R. China (24°09.704'N, 121°17.230'E, 3008 m).
- Zerconella (Metazercon) lobata* Ujvári, 2010: 39—Holotype female (HNHM, AS-876), from leaf-litter, primary broad-leaved forest, logging road, Kunyang, Nantou county, Taiwan, P. R. China (24°06.705'N, 121°11.977'E).

Zercon rafaljanus Błaszak & Laniecka, 2007: 65—Holotype female (ZSM), litter moist to very moist, understorey of *Aruncus* and *Polygonatum* ferns, near Newark, mixed deciduous forest near nature trail, Walter S. Carpenter Jr. State Park (White Clay Creek), Delaware, USA.

Hyporder **Parasitiae** (1 species)

Superfamily **Parasitoidea** (1 species)

Family **Parasitidae** (1 species)

Heteroparasitus mariae Witaliński, 2008: 53—Holotype female (ZMJU, slide no. 2140), from wet moss (*Sphagnum*) around water outflow, close to St. Leonhard Church, Karavanke mountains, Austria (46°26'45.3"N, 14°38'59.4"E, 1410 m).

Hyporder **Dermanyssiae** (174 species)

Superfamily **Veigaiioidea** (5 species)

Family **Veigaiidae** (5 species)

Veigaia carpathica Mašán, Fend'a & Mihál, 2008: 5—Holotype female (IZSAS), Veľká studená dolina valley, Starý Smokovec village, Vysoké Tatry Mts., Slovakia.

Veigaia incisilobata Mašán, 2008 in Mašán, Fend'a & Mihál, 2008: 8—Holotype female (IZSAS), beech forest (*Fagion sylvaticae*), Hlboká dolina valley, Ostrý Grúň village, Vtáčnik Mts, Slovakia (450 m).

Veigaia pentachaeta Mašán, 2008 in Mašán, Fend'a & Mihál, 2008: 11—Holotype female (IZSAS), old beech forest (*Fagion sylvaticae*), Petrokhan village, Stara Planina Mts, Bulgaria (1400 m).

Veigaia slovacica Mašán, 2008 in Mašán, Fend'a & Mihál, 2008: 13—Holotype female (IZSAS), Stinská Mt., Zboj village, Bukovské vrchy hills, Slovakia.

Veigaia vermiculifera Mašán, 2008 in Mašán, Fend'a & Mihál, 2008: 16—Holotype female (IZSAS), old beech forest (*Fagion sylvaticae*), Petrokhan village, Stara Planina Mts., Bulgaria (1400 m).

Superfamily **Rhodacaroidae** (4 species)

Family **Ologamasidae** (2 species)

Gamasiphis paulista Castilho, Moraes & Narita, 2010: 32—Holotype female (ESALQ/USP), from litter and soil from the campus of Escola Superior de Agricultura “Luiz de Queiroz” (ESALQ), Universidade de São Paulo (USP), Piracicaba, State of São Paulo, Brazil (22°42'30"S, 47°38'00"W).

Ologamasus cananeiae Silva, Moraes & Krantz, 2007: 61—Holotype female (ESALQ/USP), from forest litter taken at Cananéia, State of São Paulo, Brazil.

Family **Rhodacaridae** (2 species)

Multidentorhodacarus saboorii Castilho, Jalaieian & Moraes, 2012: 36—Holotype female (JAZM), from soil of an orchard at Khomani Shahr, Isfahan Province, Iran (32°41'N, 51°32'E).

Rhodacarellus iraniensis Castilho, Jalaieian & Moraes, 2012: 39—Holotype female (JAZM), from soil of an orchard at Najafabad, Isfahan Province, Iran (32°38'N, 51°23'E).

Superfamily **Eviphidoidea** (24 species)

Family **Eviphididae** (15 species)

Alliphis transversus Halliday, 2010: 8—Holotype female (ANIC), on *Onthophagus tricavicolis*, Gillies Highway, Queensland, Australia.

Cryptoseius khayyami Kazemi & Moraza, 2008 in Kazemi, Moraza, Kamali & Saboori, 2008: 14—Holotype female (TMU), from *Scarabaeus transcaspicus*, Feiz-Abad, Torbat Heydarie, Razavi Khorasan Province, NE Iran (34°57'23"N, 58°45'18"E, 895 m).

Evimirus scutellatus Halliday, 2010: 15—Holotype female (ANIC, ANIC440), rainforest, 1.6 km SW of Yungaburra, Queensland, Australia (17°18'S, 145°35'E, 720 m).

Halolaspis hypedon Mašán & Halliday, 2009: 51—Holotype female (IZSAS), subterranean brood chamber of *Copris lunaris* (Coleoptera, Scarabaeidae), pasture in degraded willow-poplar flood-plain forest (*Salici-Populetum*), inundation zone of Váh river, Brunovce village, Trnavská pahorkatina wold, southwest Slovakia (170 m).

Metacryptoseius khorasanicus Kazemi & Moraza, 2008 in Kazemi, Moraza, Kamali & Saboori, 2008: 9—Holotype female (TMU), from *Scarabaeus transcaspicus*, Galugah region, Mazandaran Province, N Iran.

Metacryptoseius persicus Kazemi & Moraza, 2008 in Kazemi, Moraza, Kamali & Saboori, 2008: 4—Holotype female (TMU), from *Scarabaeus transcaspicus*, Esfarayen, North Khorasan Province, NE Iran (36°55'29"N, 57°44'08"E, 1471 m).

- Neocrassicheles sternomus* Mašán & Halliday, 2010: 65—Holotype female (IZSAS), Podunajské Biskupice, Bratislava, Podunajská Rovina Flatland, Slovakia.
- Scarabaspis masani* Halliday, 2010: 18—Holotype female (ANIC), on *Onthophagus leai* in wombat dung, 30 km west of Nowra, Coolendel, New South Wales, Australia.
- Scarabaspis sternalis* Halliday, 2010: 22—Holotype female (ANIC), on *Onthophagus neostenocerus*, Mount Warning, New South Wales, Australia.
- Scarabaspis victoriensis* Halliday, 2010: 30—Holotype female (ANIC), on *Onthophagus pronus*, Halls Gap, Victoria, Australia.
- Thinoseius helenae* Halliday, 2010: 35—Holotype female (ANIC), in deep piles of seaweed on beach, 25 km south of Kingston SE, Wright Bay, South Australia (37°02'S, 139°44'E).
- Thinoseius jarretti* Halliday, 2010: 40—Holotype female (ANIC), seaweed on beach, Largs Bay (Adelaide), South Australia.
- Thinoseius papillatus* Halliday, 2010: 46—Holotype female (ANIC), seaweed on beach, Cape Jaffa, South Australia (36°56'S, 139°40'E).
- Thinoseius peltatus* Halliday, 2010: 48—Holotype female (ANIC), in seaweed, Durras, New South Wales, Australia.
- Thinoseius variabilis* Halliday, 2010: 51—Holotype female (ANIC), seaweed on beach, near Batemans Bay, Malonys Beach, New South Wales, Australia (35°43'S, 150°11'E).
- Family **Macrochelidae** (4 species)
- Macrocheles bertrandi* Niogret & Nicot, 2008: 43—Holotype female (MNHN), on *Stomoxys calcitrans*, Bakoumba, Gabon (1°79'S, 13°04'E, 623 m).
- Macrocheles lumareti* Niogret & Nicot, 2008: 41—Holotype female (MNHN), on body of *Copris lunaris*, St Germain-Les-Buxy, France (46°42'N, 4°46'E, 206 m).
- Macrocheles ovoidalis* Niogret & Nicot, 2008: 44—Holotype female (MNHN), on *Stomoxys calcitrans*, Bakoumba, Gabon (1°79'S, 13°04'E, 623 m).
- Macrocheles seraphim* Niogret & Nicot, 2007 in Niogret, Nicot, Stordeur & Bertrand, 2007: 22—Holotype female (MNHN), on *Geotrupes mutator*, clay soil, pastured meadow, Trucy l'Orgueilleux, France (47°45'N, 3°41'E, 160 m).
- Family **Pachylaelapidae** (5 species)
- Olopachys gronychi* Mašán, 2007: 37—Holotype female (IZSAS), Etropole village, beech forest (*Fagion sylvaticae*), Stara Planina Mts., NW Bulgaria (42°49'N, 24°02'E).
- Pachyseius cicaki* Mašán & Mihál, 2007: 62—Holotype female (IZSAS), beech forest (*Fagion sylvaticae*) with admixed *Carpinus betulus* (2%) and *Quercus* sp. (1%), Vitinya village, Stara Planina Mts., NW Bulgaria (42°47'N, 23°48'E, 970 m).
- Pachyseius morazae* Mašán & Mihál, 2007: 64—Holotype female (IZSAS), old beech forest (*Fagion sylvaticae*), Petrokhan village, Stara Planina Mts., NW Bulgaria (43°07'N, 23°07'E, 1400 m).
- Pachyseius pachylaelapoides* Mašán & Mihál, 2007: 66—Holotype female (IZSAS), old beech forest (*Fagion sylvaticae*), Balkanets village, Stara Planina Mts., NW Bulgaria (42°46'N, 24°38'E, 1250 m).
- Uroiphis montivagus* Mašán & Halliday, 2010: 89—Holotype female (IZSAS), Trangoška (*Petasites*), Bystrá, Nízke Tatry Mts., Slovakia.
- Superfamily **Ascoidea** (16 species)
- Family **Ameroseiidae** (2 species)
- Neocypholaelaps ceylonicus* Narita & Moraes, 2011 in Narita, Moraes & Fernando, 2011: 60—Holotype female (ESALQ/USP), from inflorescences of *Erythrina* sp. (Fabaceae), Kalpitiya, Sri Lanka (8°14'N, 79°46'E).
- Neocypholaelaps geonomae* Moraes & Narita, 2010: 38—Holotype female (ESALQ/USP), from inflorescences of *Geonoma brevispatha* Barb. Rodr. (Arecaceae), São Pedro, State of São Paulo, Brazil.
- Family **Ascidae** (12 species)
- Antennoseius (Vitzthumia) perseus* Beaulieu, Déchêne & Walter, 2008: 39—Holotype female (CNC), under elytra of *Sericoda quadripunctata* (DeGeer) ex pitfall traps in recently burned boreal forest near Chisholm, Alberta, Canada (54°56'N, 114°7'W).
- Antennoseius (Vitzthumia) pyrophilus* Beaulieu, Déchêne & Walter, 2008: 48—Holotype female (CNC), under elytra of *Sericoda bembidioides* Kirby, ex pitfall trap in burned boreal forest near, Chisolm, Alberta, Canada (54°56'N, 114°7'W).
- Anystipalpus kazemii* Lindquist & Moraza, 2009: 28—Holotype female (TMU), ex. under elytra of unidentified carabid beetle, Rahan village, Gonabad town, Razavi Khorasan Province, Iran (34°24'05"N, 58°39'83"E, 1483 m).
- Anystipalpus labiduricola* Lindquist & Moraza, 2009: 23—Holotype female (TMU), ex. "earwig" (Dermaptera: Labiduridae: *Labidura* sp.), Esfarayen, North Khorasan Province, Iran (36°55'29"N, 57°44'08"E, 1471 m).

- Cheiroseius neophalangoides* Mineiro, Lindquist & Moraes, 2009: 4**—Holotype female (ESALQ/USP), from forest litter, Cananéia, State of Sao Paulo, Brazil.
- Gamasellodes magniventris* Mineiro, Lindquist & Moraes, 2009: 8**—Holotype female (ESALQ/USP), from litter of a patch of secondary forest, ESALQ-USP, Piracicaba, State of Sao Paulo, Brazil.
- Lasioseius latinoamericanus* Mineiro, Lindquist & Moraes, 2009: 10**—Holotype female (ESALQ/USP), from litter of a patch of rubber tree plantation, ESALQ-USP, Piracicaba, State of São Paulo, Brazil.
- Proctolaelaps chalybura* Dusbabek & Havlicek, 2007: 59**—Holotype female (IPCB, CSAV 2007), from *Chalybura urochrysa* (Bourcier, 1847), Barbilla NP, Costa Rica (570 m).
- Proctolaelaps naskreckii* Dusbabek & Havlicek, 2007: 56**—Holotype female (IPCB, CSAV 2006), from *Threnetes ruckeri* (Bourcier, 1847), Barbilla NP, Costa Rica (570 m).
- Proctolaelaps paulista* Mineiro, Lindquist & Moraes, 2009: 22**—Holotype female (ESALQ/USP), from soil of a Province corn field, ESALQ-USP, Piracicaba, State of São Paulo, Brazil.
- Proctolaelaps threnetes* Dusbabek & Literak, 2007: 53**—Holotype female (IPCB, CSAV 2005), from *Threnetes ruckeri* (Bourcier, 1847), Barbilla NP, Costa Rica (570 m).
- Protogamasellus sigillophorus* Mineiro, Lindquist & Moraes, 2009: 26**—Holotype female (ESALQ/USP), from soil of a corn field, ESALQ-USP, Piracicaba, State of São Paulo, Brazil.

Family **Melicharidae** (2 species)

- Spadiseius calyptrogynae* Lindquist & Moraza, 2008: 9**—Holotype female (INBCR), Research Swamp, ex inflorescences of Palmaceae, *Calyptrogynae sarapiquensis*, La Selva Biological Station, Heredia, Costa Rica (10°26'1"N, 84°1'2"W, 50–150 m).
- Spadiseius spathiphyllae* Lindquist & Moraza, 2008: 22**—Holotype female (INBCR), Research Swamp, ex inflorescences of Araceae, *Spathiphyllum friedrichsthallii*, La Selva Biological Station, Heredia Province, Costa Rica (10°26'1"N, 84°1'2"W).

Superfamily **Phytoseioidea** (110 species)

Family **Blattisociidae** (4 species)

- Blattisocius everti* Britto, Lopes & Moraes, 2012: 35**—Holotype, female (ESALQ/USP), from a laboratory colony started with specimens collected from commercial dog food in Charqueada, State of São Paulo, Brazil.
- Fungiseius armatus* Moraza & Lindquist, 2011: 6**—Holotype female (INBCR), ex fungus, 345 m along Holdridge trail, La Selva Biological Station, Heredia Province, Costa Rica (10°26'1"N, 84°1'2"W, 50–150 m).
- Fungiseius clavulisetis* Moraza & Lindquist, 2011: 14**—Holotype female (CNC), ex small bracket fungi on log over creek, 5 miles (ca 8 km) north of El Bosque, Chiapas Province, Mexico (17°07'N, 92°43'W, 750 m).
- Opilioseius grallator* Lindquist & Moraza, 2010: 15**—Holotype female (INBCR), ex “Hongo” (fungus), 150 m along Surá trail, La Selva Biological Station, Heredia Province, Costa Rica (10°26'1"N, 84°1'2"W, 50–150 m).

Family **Otopheidomenidae** (1 species)

- Hemipteroseius vikrami* Menon 2011, in Menon, Joshi, Hussain & Ramamurthy, 2011: 54**—Holotype female (IARI), on *Dysdercus cingulatus* (Fabricius) in Varanasi, India.

Family **Phytoseiidae** (103 species)

- Amblyseius biotafapesp* Demite, Lofego & Feres, 2011: 34**—Holotype female (UEP), from *Actinostemon communis* (Müll. Arg.) Pax. (Euphorbiaceae), Turmalina, State of São Paulo, Brazil.
- Amblyseius brachyscutatus* Zannou, Moraes & Oliveira, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 7**—Holotype female (ESALQ/USP), from *Chromolaena odorata*, 3 km S New Aboi, Western Region, Ghana.
- Amblyseius chanti* Zannou, Moraes & Oliveira, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 23**—Holotype female (ESALQ/USP), from *Citrus aurantium*, 50 km SE Mporokoso, Zambia.
- Amblyseius curticalyx* Zannou, Moraes & Oliveira, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 9**—Holotype female (ESALQ/USP), from *Rhynchelytrum repens*, 84 km S Kasama, Zambia.
- Amblyseius ignaceous* El-Banhawy & Knapp, 2011: 28**—Holotype female (ICIPE), Taita Hills, Kenya (1600 m).
- Amblyseius jamesi* Zannou, Moraes & Oliveira, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 13**—Holotype female (ESALQ/USP), from *Psidium guajava*, 27 km SW Ngoulemalong, Cameroon.
- Amblyseius lumangweensis* Zannou, Moraes & Oliveira, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 17**—Holotype female (ESALQ/USP), from *Psidium guajava*, Lumangwe Falls, Zambia.
- Amblyseius novagranadensis* Demite, Lofego & Feres, 2011: 38**—Holotype female (UEP), from *Albertia edulis* (Rich.) A. Rich. (Rubiaceae), Nova Granada, State of São Paulo, Brazil.

- Amblyseius paraitalicus* El-Banhawy & Knapp, 2011: 25—Holotype female (ICIPE), from a coffee farm, Taita Hills, Kenya.
- Amblyseius paulofariensis* Demite, Lofego & Feres, 2007: 65—Holotype female (UEP), from *Acalypha diversifolia* Jacq. (Euphorbiaceae), “Estação Ecológica de Paulo de Faria”, State of São Paulo, Brazil (19°55'S, 49°31'W).
- Amblyseius victoireae* Zannou, Moraes & Oliveira, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 30—Holotype female (ESALQ/USP), from *Combretum* sp., 25 km S Malindi, Kenya.
- Aristadromips aberdaresensis* Moraes, Zannou & Oliveira, 2007 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2007: 23—Holotype female (ESALQ/USP), from *Erynoglossum* sp., Aberdares, Kenya.
- Aristadromips escarsidentatus* Guanilo & Moraes, 2008 in Guanilo, Moraes & Knapp, 2008: 32—Holotype female (ESALQ/USP), from *Vallesia glabra* (Cav.), A. D. Guanilo, Callanca, Chiclayo, Lambayeque, Peru (06°50'51"S, 79°48'57"W).
- Arrenoseius gambogi* El-Banhawy & Knapp, 2011: 29—Holotype female (ICIPE), Mt. Kenya, Gachurimi, Embu side, Kenya (1993 m).
- Iphiseiodes matatlanticae* Mineiro, Castro & Moraes, 2011: 31—Holotype female (LA-CEIB), on *Coffea arabica* cv. Mundo Novo (Rubiaceae), Monte Alegre do Sul, State of São Paulo, Brazil (22°40'73"S, 46°38'99"W).
- Proprioseiopsis biologicus* Lofego, Demite & Moraes, 2009 in Lofego, Demite, Kishimoto & Moraes, 2009: 51—Holotype female (UNESP), on *B. decumbens*, Campinas, Brazil (22°54'S, 47°01'W).
- Euseius neominutisetus* El-Banhawy & Knapp, 2011: 41—Holotype female (ICIPE), Manda Island, Coast Province, Kenya.
- Euseius shinyalus* El-Banhawy & Knapp, 2011: 43—Holotype female (ICIPE), Mt. Kenya, Central Province, Gachurimi, Embu side, Kenya.
- Graminaseius lippiai* Ueckermann, Zannou & Moraes, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 34—Holotype female (ESALQ/USP), from *Lippia rehmannii*, Vygeboom Dam, near Badplaas, Mpumalanga, South Africa.
- Graminaseius shwelei* El-Banhawy & Knapp, 2011: 23—Holotype female (ICIPE), Naivasha lakeside, Kenya (1900 m).
- Gynaeseius larum* El-Banhawy & Knapp, 2011: 46—Holotype female (ICIPE), Mt. Kenya, salient main road, Kenya (2400 m).
- Kuzinellus carlosi* Moraes, Zannou & Oliveira, 2008 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2008: 6—Holotype female (ESALQ/USP), from *Dalbergia nitidula*, 16 km SW Mpika, Zambia.
- Kuzinellus eastafricanus* Moraes, Zannou & Oliveira, 2008 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2008: 8—Holotype female (ESALQ/USP), from *Ficus* sp., Luweero, Uganda.
- Kuzinellus hansherreni* Moraes, Zannou & Oliveira, 2008 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2008: 12—Holotype female (ESALQ/USP), from *Securinega virosa*, 50 km E Mansa, Zambia.
- Kuzinellus hystricosus* Moraes, Zannou & Oliveira, 2008 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2008: 14—Holotype female (ESALQ/USP), from unknown plant, 11 km W Nkawi, Ghana.
- Kuzinellus kariuki* El-Banhawy & Knapp, 2011: 49—Holotype female (ICIPE), Nakuru National Park, Kenya (1765 m).
- Kuzinellus miniparvus* Moraes, Zannou & Oliveira, 2008 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2008: 15—Holotype female (ESALQ/USP), from *Elaeis guineensis*, 50 km S Kaduna, Nigeria.
- Kuzinellus reticulatus* Moraes, Zannou & Oliveira, 2008 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2008: 26—Holotype female (ESALQ/USP), from *Eragrostis arenicola*, 21 km N Mporokoso, Zambia.
- Kuzinellus tigamiaensis* El-Banhawy & Knapp, 2011: 51—Holotype female (ICIPE), Ruma National Park, Nyanza Province, Kenya (1400 m).
- Neoseiulus argentinus* Guanilo & Moraes, 2008 in Guanilo, Moraes, Toledo & Knapp, 2008: 17—Holotype female (ESALQ/USP), from *Solanum americanum*, A. D. Guanilo, Taue, Chajarí, Entre Ríos, Argentina (30°45'44.3"S, 58°0'53"W).
- Neoseiulus irungus* El-Banhawy & Knapp, 2011: 13—Holotype female (ICIPE), Mt. Kenya Meteorological station (Central Province), Kenya (3200 m).
- Neoseiulus ishimutus* El-Banhawy & Knapp, 2011: 11—Holotype female (ICIPE), from marine station of the University of Nairobi at Moana-Diani Beach, Mombasa, Kenya.
- Neoseiulus kikuyui* El-Banhawy & Knapp, 2011: 14—Holotype female (ICIPE), Chogoria gate, Mt. Kenya, Central Province, Kenya (3000 m).
- Neoseiulus lirhandae* El-Banhawy & Knapp, 2011: 15—Holotype female (ICIPE), Chogoria gate, Mt. Kenya, Central Province, Kenya (3000 m).

- Neoseiulus mukurweiniensis* El-Banhawy & Knapp, 2011: 14—Holotype female (ICIPE), Mt. Elgon National Park, Western Province, Bamboo Zone, Kenya (2700 m).
- Neoseiulus nambalei* El-Banhawy & Knapp, 2011: 16—Holotype female (ICIPE), Nyahururu (Thompson Falls), Central Province, Kenya (2500 m).
- Neoseiulus onzoi* El-Banhawy & Knapp, 2011: 16—Holotype female (ICIPE), Kenya.
- Neoseiulus tekeleius* El-Banhawy & Knapp, 2011: 11—Holotype female (ICIPE), from Nakuru National Park, Rift valley, Kenya (1800 m).
- Neoseiulus saudiensis* Negm, Alatawi & Aldryhim, 2012: 58—Holotype female (KSMA), on aerial part of Bermuda grass, *Cynodon dactylon* (L.) Pers. (Poaceae) in a date palm orchard, Dereiya, Riyadh region, Saudi Arabia (24°42' N, 46°37' E).
- Paraphytoseius ghanaensis* Moraes, Zannou & Oliveira, 2007 in Moraes, Zannou, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 8—Holotype female (ESALQ/USP), from *Chromolaena odorata* (Asteraceae), 28 km S Dunkwa, Western Region, Ghana.
- Paraseiulus amacroporus* Faraji, Jalaeian & McMurtry, 2008: 65—Holotype female (RMNH), from pistachio tree, Borkhar (Isfahan Province), Iran.
- Phytoseius aheroseius* El-Banhawy & Knapp, 2011: 47—Holotype female (ICIPE), Wyaundo Island, Nyanza Province, Kenya (1340 m).
- Phytoseius dominicensis* Ferragut & Moraes, 2011 in Ferragut, Moraes & Navia, 2011: 43—Holotype female (MNCN), from *Waltheria indica* L. (Malvaceae), Boca del Diablo, Las Galeras (Peninsula de Samaná), Dominican Republic (19°15'52"N, 69°09'58"W, 25 m).
- Phytoseius jatoba* Demite, Lofego & Feres, 2008: 18—Holotype female (UEP), from *Hymenaea courbaril* L. (Caesalpinaceae), Macaubal, State of São Paulo, Brazil (20°04'S, 49°55'W).
- Phytoseius jurute* Demite, Lofego & Feres, 2008: 20—Holotype female (UEP), from *Cordia sellowiana* Cham. (Boraginaceae), União Paulista, State of São Paulo, Brazil (20°55'S, 49°55'W).
- Phytoseius kaapre* Demite, Lofego & Feres, 2008: 22—Holotype female (UEP), from *Trichilia casaretti* D. DC. (Meliaceae), São João de Iracema, State of São Paulo, Brazil (20°28'S, 50°17'W).
- Phytoseius ortegae* Guanilo & Moraes, 2008 in Guanilo, Moraes & Knapp, 2008: 50—Holotype female (ESALQ/USP), from *Brugmansia arborea*, Monsefú, Chiclayo, Lambayeque, Peru (6°32'19"S, 79°52'45"W).
- Phytoseius poripherus* Guanilo & Moraes, 2008 in Guanilo, Moraes & Knapp, 2008: 52—Holotype female (ESALQ/USP), from *Solanum caricaefolium*, Quebrada Seca, Bagua Grande, Amazonas, Peru (5°43'6"S, 78°28'38"W).
- Phytoscutus lienoulouisi* Moraes, Zannou & Oliveira, 2007 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2007: 7—Holotype female (ESALQ/USP), from *Mangifera indica*, 5 km N Muyuka, Cameroon.
- Proprioiseiopsis atrichos* Moraes, Zannou & Oliveira, 2007 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2007: 10—Holotype female (ESALQ/USP), from *Citrus* sp., Luwero, Kyankonwa, Uganda.
- Proprioiseiopsis brachydactylus* Moraes, Zannou & Oliveira, 2007 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2007: 12—Holotype female (ESALQ/USP), from *Citrus* sp., Luwero, Kyankonwa, Uganda.
- Proprioiseiopsis bremaensis* Moraes, Zannou & Oliveira, 2007 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2007: 13—Holotype female (ESALQ/USP), from *Capsicum* sp., 3 km N Brema, Ghana.
- Proprioiseiopsis parabelizensis* Guanilo & Moraes, 2008 in Guanilo, Moraes & Knapp, 2008: 14—Holotype female (ESALQ/USP), from *Ricinus communis* L, A. D. Guanilo, El Cardo, Camaná, Arequipa, Peru (16°36'34"S, 72°43'45"W).
- Transeius jujae* El-Banhawy & Knapp, 2011: 22—Holotype female (ICIPE), Nyahururu (Thompson Falls), Kenya (2500 m).
- Transeius katumaniensis* Zannou, Moraes & Oliveira, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 36—Holotype female (ESALQ/USP), from unknown plant, Machakos, Katumani, Kenya.
- Transeius kiharus* El-Banhawy & Knapp, 2011: 22—Holotype female (ICIPE), Nyahururu (Thompson Falls), Kenya (2500 m).
- Transeius soniae* Zannou, Moraes & Oliveira, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 38—Holotype female (ESALQ/USP), from unknown plant, Machakos, Katumani, Kenya.
- Transeius ventriconstrictus* Zannou, Moraes & Oliveira, 2007 in Zannou, Moraes, Ueckermann, Oliveira, Yaninek & Hanna, 2007: 38—Holotype female (ESALQ/USP), from *Elaeis guineensis*, Masiaka, Sierra Leone.
- Typhlodromus (Anthoseius) asperosetosus* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 12—Holotype female (ESALQ/USP), from *Chromolaena odorata*, 37 km E. Bertoua, Cameroon.

- Typhlodromus (Anthoseius) constrictus* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 28—Holotype female (ESALQ/USP), from *Parkia biglobosa*, Djougou, Département de l'Atacora, Benin.
- Typhlodromus (Anthoseius) denheyeri* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 33—Holotype female (ESALQ/USP), from unknown plant, 25 km NE Gitega, Préfecture de Karuzi, Burundi.
- Typhlodromus (Anthoseius) elaeis* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 38—Holotype female (ESALQ/USP), from *Elaeis guineensis*, 27 km SW Ngoulemakong, Cameroon.
- Typhlodromus (Anthoseius) galpinii* Ueckermann, Zannou & Moraes, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 40—Holotype female (NCA-PPRI), from *Bauhinia galpinii*, Limpopo Province, Die Eiland near Gravelotte, South Africa.
- Typhlodromus (Anthoseius) ghanaensis* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 45—Holotype female (ESALQ/USP), from unknown plant, Cape Coast, Ghana.
- Typhlodromus (Anthoseius) grewiae* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 48—Holotype female (ESALQ/USP), from *Grewia* sp., 25 km S. Malindi, Coastal Province, Kenya.
- Typhlodromus (Anthoseius) kenyae* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 57—Holotype female (ESALQ/USP), from *Acacia brevispica*, 25 km S. Malindi, Coastal Province, Kenya.
- Typhlodromus (Anthoseius) lobatus* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 59—Holotype female (ESALQ/USP), from *Tridax procumbens*, Somanya, Ghana.
- Typhlodromus (Anthoseius) neogutierrezii* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 73—Holotype female (ESALQ/USP), from *Tridax procumbens*, Somanya, Ghana.
- Typhlodromus (Anthoseius) neohartlandrowei* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 75—Holotype female (ESALQ/USP), from *Elaeis guineensis*, 27 km SW Ngoulemakong, Cameroon.
- Typhlodromus (Anthoseius) neomichaeli* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 77—Holotype female (ESALQ/USP), from *Ficus brachypoda*, 5 km S Kashiba, Zambia.
- Typhlodromus (Anthoseius) neoterrulentis* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 79—Holotype female (ESALQ/USP), from *Uapaca kirkiana*, 78 km S. Chiwoma, Zambia.
- Typhlodromus (Anthoseius) subtilis* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 93—Holotype female (ESALQ/USP), from *Protea gagedi*, 150 km SW Mpika, Zambia.
- Typhlodromus (Typhlodromus) neomagdalенаe* Zannou, Moraes & Oliveira, 2008 in Ueckermann, Zannou, Moraes, Oliveira, Hanna & Yaninek, 2008: 113—Holotype female (ESALQ/USP), from *Ipomoea* sp., 74 km N Kibuye, Prefecture de Gisenyi, Rwanda.
- Typhloseiopsis adventitius* Ferragut & Moraes, 2011 in Ferragut, Moraes & Navia, 2011: 48—Holotype female (MNCN), from *Cecropia peltata* L. (Cecropiaceae) in Jarabacoa (Cordillera Central), Boca del Diablo, Las Galeras (Peninsula de Samaná), Dominican Republic (19°04'56"N, 70°41'7"W, 640 m).
- Typhlodromips amazonensis* Guanilo & Moraes, 2008 in Guanilo, Moraes & Knapp, 2008: 36—Holotype female (ESALQ/USP), from *Cestrum* sp., A. D. Guanilo, Donce, Pedro Ruiz, Amazonas, Peru (05°59'34"S, 77°58'16"W).
- Typhlodromips angustus* Guanilo & Moraes, 2008 in Guanilo, Moraes & Knapp, 2008: 34—Holotype female (MHN), from *Lycopersicon esculentum* Mill var. *cerasiforme* (Dunal), A. D. Guanilo, Juan Guerra, Tarapoto, San Martín, Peru (06°32'51"S, 76°20'41"W).
- Typhlodromips bunyorei* El-Banhawy & Knapp, 2011: 19—Holotype female (ICIPE), Ruma National Park, Nyanza Province, Kenya (1340 m).
- Typhlodromus gameilus* El-Banhawy & Knapp, 2011: 55—Holotype female (ICIPE), Lamu Island, Coast Province, Kenya.
- Typhlodromus ilehoensis* El-Banhawy & Knapp, 2011: 55—Holotype female (ICIPE), Mt. Kenya, Naro-Moru gate, Kenya (2438 m).
- Typhlodromips isulus* El-Banhawy & Knapp, 2011: 20—Holotype female (ICIPE), Kakamega rain forest, Kenya (1600 m).

- Typhlodromus kiambuensis* El-Banhawy & Knapp, 2011: 55—Holotype female (ICIPE), Taita hills, Coast Province, Kenya (1630 m).
- Typhlodromus kirinyagae* El-Banhawy & Knapp, 2011: 56—Holotype female (ICIPE), Kisumu, Nyanza Province, Kenya (1310 m).
- Typhlodromus leilaseius* El-Banhawy & Knapp, 2011: 56—Holotype female (ICIPE), Thompson Falls (Nyahururu), Kenya (2500 m).
- Typhlodromus limurus* El-Banhawy & Knapp, 2011: 57—Holotype female (ICIPE), Mogotio, Rift Valley Province, Kenya (1550 m).
- Typhlodromus makuyus* El-Banhawy & Knapp, 2011: 57—Holotype female (ICIPE), Nyaundo Island, Nyanza Province, Kenya (1300 m).
- Typhlodromus masai* El-Banhawy & Knapp, 2011: 57—Holotype female (ICIPE), Masai Mara National Park, Kenya (1800 m).
- Typhlodromips mukomeriensis* El-Banhawy & Knapp, 2011: 20—Holotype female (ICIPE), Mt. Kenya, the main forest area, Kenya (2400 m).
- Typhlodromus neocelastrus* El-Banhawy & Knapp, 2011: 58—Holotype female (ICIPE), Malindi, Coast Province, Kenya.
- Typhlodromus neondibu* El-Banhawy & Knapp, 2011: 59—Holotype female (ICIPE), Mararia forest, Mt. Kenya, Kenya (2451 m).
- Typhlodromips neoshi* Moraes, Zannou & Oliveira, 2007 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2007: 29—Holotype female (ESALQ/USP), from *Citrus* sp., Kigali, ISAR-Karama Station, Rwanda.
- Typhlodromips neoswellendamensis* Moraes, Zannou & Oliveira, 2007 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2007: 30—Holotype female (ESALQ/USP), from unknown plant, 39 km W Nakuru, Valley Province, Kenya.
- Typhlodromus njorogoeus* El-Banhawy & Knapp, 2011: 59—Holotype female (ICIPE), Naivasha, Rift Valley Province, Kenya (1700 m).
- Typhlodromus noonus* El-Banhawy & Knapp, 2011: 61—Holotype female (ICIPE), Marigat Kabarnet Road, Rift Valley, Kenya (1791 m).
- Typhlodromus nyahururus* El-Banhawy & Knapp, 2011: 59—Holotype female (ICIPE), Mt. Kenya, Chania river Falls, Kenya (2900 m).
- Typhlodromips robusticalyx* Moraes, Zannou & Oliveira, 2007 in Moraes, Zannou, Ueckermann, Oliveira, Hanna & Yaninek, 2007: 31—Holotype female (ESALQ/USP), from unknown plant, 28 km S Dunkwa, Western Region, Ghana.
- Typhlodromus (Anthoseius) sabelisi* Ferla, Silva & Nascimento, 2012: 85—Holotype female (ESALQ/USP), Encantado, Rio Grande do Sul, from dust curtain in a wooden home surrounded by natural vegetation at Encantado, State of Rio Grande do Sul, Brazil.
- Typhlodromus sichirei* El-Banhawy & Knapp, 2011: 61—Holotype female (ICIPE), Kakamega rain forest, Kenya (1620 m).
- Typhlodromus wawerus* El-Banhawy & Knapp, 2011: 63—Holotype female (ICIPE), Mt. Kenya, Mararia forest station, Central Province, Kenya (2541 m).
- Ueckermannseius bunyalae* El-Banhawy & Knapp, 2011: 31—Holotype female (ICIPE), Mt. Kenya, Salient main road, Kenya (2000 m).
- Ueckermannseius kiminini* El-Banhawy & Knapp, 2011: 32—Holotype female (ICIPE), bushes at Mt. Kenya, Kenya (2000 m).
- Ueckermannseius mangrovei* El-Banhawy & Knapp, 2011: 33—Holotype female (ICIPE), from mangrove, Pate Island, Coast Province, Kenya.
- Ueckermannseius musoli* El-Banhawy & Knapp, 2011: 33—Holotype female (ICIPE), Taita Hills, Coast Province, Kenya (1600 m).
- Ueckermannseius sabatiae* El-Banhawy & Knapp, 2011: 34—Holotype female (ICIPE), Nyahururu (Thompson Falls), Kenya.

Family **Podocinidae** (2 species)

- Podocinum guizhouense* Yan & Jin, 2011 in Yan, Jin, Guo & Guo, 2011: 50—Holotype female (GUGC), in the fur of *Niviventer fulvescens*, Kuankuoshui National Nature Reserve, near Wangcao town, Suiyang County, Guizhou Province, P. R. China (28°22'N, 107°22'E, 852 m).

- Podocinum tibetensis* Yan, Jin, Wu, Guo & Guo, 2012: 36—Holotype female (GUGC), Bome County Nyingchi, Tibet Autonomous Region, P. R. China (29°53'N, 95°40'E).
- Superfamily **Dermanyssoidea** (15 species)
Family **Laelapidae** (14 species)
- Coleolaelaps costai* Joharchi & Halliday, 2011: 24—Holotype female (JAZM), on adult *Polyphylla olivieri*, Shahrestanak, Karaj, Tehran, Iran (35°57'N, 51°21'E, 2130 m).
- Gaeolaelaps gillespiei* Beaulieu, 2009: 38—Holotype female (CNC), from roots and soil of wilting gerbera plants, Sidney, British Columbia, Canada.
- Gymnolaelaps messor* Joharchi, Halliday, Saboori & Kamali, 2011: 23—Holotype female (JAZM), in nest of *Messor* sp. (Formicidae), Karaj, Iran (36°01'N, 51°09'E, 1831 m).
- Gymnolaelaps prestoni* Joharchi, Halliday, Saboori & Kamali, 2011: 26—Holotype female (JAZM), in nest of *Myrmica* sp., Karaj, Iran (35°57'N, 51°21'E, 2130 m).
- Hypoaspis larvicolus* Joharchi & Halliday, 2011: 27—Holotype female (JAZM), on larva of *Polyphylla* sp, Karaj, Iran (35°48'N, 50°59'E, 1384 m).
- Hypoaspis maryamae* Joharchi & Halliday, 2011: 31—Holotype female (JAZM), on *Polyphylla olivieri*, Yazd, Iran (31°38'N, 53°59'E, 2250 m).
- Hypoaspis melolonthae* Joharchi & Halliday, 2011: 33—Holotype female (JAZM), on *Melolontha melolontha*, Yazd, Iran (31°33'N, 54°11'E, 2300 m).
- Myrmozercon beardae* Shaw & Seeman, 2009: 48—Holotype female (SAMA, J11549), “with ants”, Lucindale, South Australia.
- Myrmozercon burwelli* Shaw & Seeman, 2009: 44—Holotype female (QM, S 83733), ex nest of *Polyrhachis* (*Campomyrma*) *flavibasis* Clark, subtropical rainforest, Boombana National Park, Australia (27°24'07"S, 152°47'23"E).
- Myrmozercon karajensis* Joharchi, Halliday, Saboori & Kamali, 2011: 29—Holotype female (JAZM), in nest of *Camponotus* sp., Karaj, Iran (35°55'N, 51°04'E, 1880 m).
- Myrmozercon karajensis* Joharchi, Halliday, Saboori & Kamali, 2011: 29—Holotype female (JAZM), in nest of *Camponotus* sp., Karaj, Iran (35°55'N, 51°04'E, 1880 m).
- Neolaelaps windsori* Shaw, 2011: 51—Holotype female (QM, S 88518), ex *Pteropus scapulatus* Peters, Mt Windsor, nr Mossman, North Queensland, Australia.
- Nidilaelaps holdsworthi* Shaw, 2012: 32—Holotype female (TMAG), ex nest of *Neophema chrysogaster* Orange-bellied Parrot, in nestbox, MP1, NEST 320 (on left hand side of slide, circled) Tasmania, Australia.
- Nidilaelaps lisae* Shaw, 2012: 36—Holotype female (BBM, NG27546), Wau Creek, Morobe Province, ex crane (= *Rallicula forbesi* Sharpe, host specimen det. A.C. Ziegler), Papua New Guinea.
- Family **Macronyssidae** (1 species)
- Ophionyssus schreibericolus* Moraza, 2007 in Moraza, Irwin, Godinho, Baird & Bellocq, 2007: 59—Holotype female (MZUNAV), from a female of *Lacerta schreiberi*, Malcata province, Portugal (40°19'20"N, 6°50'58"W).
- Superorder **Acariformes** (991 species)
Order **Trombidiformes** (713 species)
Suborder **Prostigmata** (713 species)
Infraorder **Eupodina** (303 species)
Superfamily **Bdelloidea** (41 species)
Family **Bdellidae** (6 species)
- Hexabdella cinquaginta* Hernandez, D. Daud & J.F. Feres, 2007: 60—Holotype female (PEU, n. 6802), *Hevea brasiliensis* Muell. Arg. (Euphorbiaceae), Itiquira, Mato Grosso, Brazil (17°23'S, 54°45'W).
- Spinibdella ankylotricha* Omukunda, Theron & Ueckermann, 2012: 9—Holotype female (NCA-PPRI), from debris mixed with soil under *Acacia rhemanniana* Schinz (Fabaceae), Limpopo Province, South Africa.
- Spinibdella polyattenuata* Omukunda, Theron & Ueckermann, 2012: 6—Holotype female (NCA-PPRI), from rocks in between supralittoral and littoral zone, Schoenmakerskop, Eastern Cape Province, South Africa.
- Spinibdella pongolensis* Omukunda, Theron & Ueckermann, 2012: 12—Holotype female (NCA-PPRI), from Pongola, from soil, KwaZulu/Natal Province, South Africa.
- Spinibdella namibiensis* Omukunda, Theron & Ueckermann, 2012: 15—Holotype female (NCA-PPRI), from Springbok, Northern Cape soil, Northern Cape Province, South Africa.
- Spinibdella trinomma* Omukunda, Theron & Ueckermann, 2012: 3—Holotype female (NCA-PPRI), from *Spirostachys africana*, Sond. (Euphorbiaceae) 16 km north of Hluhluwe, KwaZulu/Natal Province, South Africa.

Family **Cunaxidae** (35 species)

- Armascirus brasiliensis* Den Heyer, 2012: 24**—Holotype female (ESALQ/USP), sunflower (*Helianthus annuus* L.) residue, Department of Entomology, Phytopathology and Agricultural Zoology, Escola Superior de Agricultura "Luiz de Queiroz", University of São Paulo, Piracicaba-SP., Brazil.
- Armascirus bahiaensis* Den Heyer, 2012: 29**—Holotype female (ESALQ/USP), from *Musa coccinea*, Ibirapitanga, Boa Esperança, Bahia, Brazil.
- Allocunaxa heveae* Den Heyer & Castro, 2008: 37**—Holotype male (USPB), rubber tree (*H. brasiliensis*), Pontes e Lacerda, State of Mato Grosso, (I. A. N. 873), Brazil.
- Armascirus cerris* Kalúz, 2009: 32**—Holotype female (SNMB, SZ 6890), *Corneto-Crataegetum*, from soil samples, Hostice village env., Cerová vrchovina Mts., South Slovakia (48°14'46"N, 20°05'52"E).
- Armascirus cyaneus* Kalúz, 2009: 28**—Holotype female (SNMB, SZ 6888), from grass on sand dune, Dolina Gortvy walley, Tachty village env., Cerová vrchovina Mts., South Slovakia (48°08'54"N, 19°55'24"E).
- Armascirus ozarkensis* Skvarla & Dowling, 2012: 6**—Holotype Female (ACUA, APGD 10-0528-008), ex. wet cedar and oak litter in rock crevice, Arkansas, Newton Co, Buffalo National River, Steel Creek, USA (36°01.924 N, 093°20.040 W).
- Armascirus pennsylvanicus* Skvarla & Dowling, 2012: 9**—Holotype Female (ACUA, APGD 10-0826-010), ex. maple and oak litter under mountain laurel along creek edge, Pennsylvania, Somerset Co, Laurel Hill State Park, nr. Ebery Scout Reservation, USA (40°01.182'N, 079°14.548'W).
- Armascirus primigenius* Skvarla & Dowling, 2012: 13**—Holotype female (ACUA, APGD 10-0523-011), ex. cedar litter in rocky area, Missouri, Taney Co, Mark Twain National Forest, USA (36°41.199 N, 092° 58.274 W).
- Coleobonzia clava* Den Heyer & Castro, 2008: 45**—Holotype female (USPB), from unidentified plant. Cananéia-SP (Atlantic Forest protected area), Brazil (24°53'35"S, 47°50'14"W).
- Coleobonzia moraesii* Den Heyer & Castro, 2008: 46**—Holotype female (USPB), from soil, Cerrado Campus-USP, Pirassununga-SP, Brazil.
- Cunaxa gordeevae* Sergeyenko, 2009: 2**—Holotype female (NBG), litter under *Quercus pubescens*, "Cape Martyan" Nature Reserve, Crimea, Ukraine.
- Cunaxa guanotoleranta* Sergeyenko, 2009: 4**—Holotype female (NBG), in guano of bats *Myotis* sp., in catacombs, Opukskiy Nature Reserve, Crimea, Ukraine.
- Cunaxa maculata* Sergeyenko, 2009: 8**—Holotype female (NBG), in soil under oak *Quercus pubescens*, vicinity of settlement Morskoye, Crimea, Ukraine.
- Cunaxa papuliphora* Sergeyenko, 2009: 9**—Holotype female (NBG), in soil of a meadow, vicinity of Yalta, Darsan mount., Crimea, Ukraine.
- Cunaxa violaphila* Sergeyenko, 2009: 13**—Holotype female (NBG), on leaves of violet *Viola* sp., "Cape Martyan" Nature Reserve, Crimea, Ukraine.
- Cunaxa yaylensis* Sergeyenko, 2009: 14**—Holotype female (NBG), in cereal sod, Nikitskaya mountain pasture, Crimea, Ukraine.
- Cunaxatricha tarsospinosa* Castro & Den Heyer, 2008: 56**—Holotype female (USPB), from *Hevea brasiliensis* (Willd ex A.Juss.) Müll.Arg. (Euphorbiaceae), Piracicaba, São Paulo, Brazil.
- Dunaxeus duosetosus* Den Heyer & Castro, 2009: 7**—Holotype male (USPB), from *Trichillia casaretti* C.DC. (Meliaceae), Barretos, P.R., Brazil.
- Dactyloscirus saopauloensis* Den Heyer, 2012: 33**—Holotype female (ESALQ/USP), sunflower residue, Department of Entomology, Phytopathology and Agricultural Zoology, Piracicaba-SP., Brazil.
- Lupaeus lectus* Castro & Den Heyer, 2009: 29**—Holotype female (USPB), from leaf litter of *Myrcia* sp. (Myrtaceae), Pirassununga, A.R. Oliveira, Brazil.
- Lupaeus lobidorsalis* Castro & Den Heyer, 2009: 32**—Holotype female (USPB), from soil under *Campomanesia* sp. (Myrtaceae), Pirassununga, A.R. Oliveira, Brazil.
- Lupaeus valentinae* Sergeyenko, 2011: 66**—Holotype female (NBG), in soil under cereals and wormwoods, Tyup-Tarkhan peninsula, Crimea, Ukraine.
- Neoscirula aliciae* Mejía-Recamier & Palacios-Vargas, 2007: 19**—Holotype female (UNAM), Estación de Biología de Chamela, Jalisco, México.
- Neoscirula baloghi* Mejía-Recamier & Palacios-Vargas, 2007: 22**—Holotype female (UNAM), Estación de Biología de Chamela, Jalisco, México.
- Neoscirula flechtmani* Den Heyer & Castro, 2008: 53**—Holotype female (USPB), litter, Estação Ecológica de Jataí, Luis Antônio, São Paulo, Brazil (21°36'S, 47°47'W).

- Neoscirula hoffmannae* Mejía-Recamier & Palacios-Vargas, 2007: 26—Holotype male (UNAM), Estación de Biología de Chamela, Jalisco, México.
- Neoscirula oliveirai* Den Heyer & Castro, 2008: 58—Holotype female (USPB), soil under *Psidium* sp., Campus USP, Pirassununga, São Paulo, Brazil (21°56'S, 47°28'W).
- Neoscirula queirozi* Den Heyer & Castro, 2008: 56—Holotype male (USPB), litter under *Attalea dubia* Burret, Estação Experimental IAC, Pariquera-Açu, São Paulo, Brazil.
- Pulaeus leonidi* Sergeyenko, 2011: 55—Holotype female (NBG), in moss, bank of Maynaki lake, vicinity of Yevpatoria, Crimea, Ukraine.
- Pulaeus maslovi* Sergeyenko, 2011: 58—Holotype female (NBG), litter under *Juniperus excelsa* Bieb, “Cape Martyan” Nature Reserve, Crimea, Ukraine.
- Pulaeus myrtaceus* Castro & Den Heyer, 2009: 23—Holotype female (USPB), from soil under *Myrcia* sp. (Myrtaceae), Pirassununga, A.R. Oliveira, Brazil.
- Pulaeus quadrisolenidius* Castro & Den Heyer, 2009: 25—Holotype female (USPB), from leaf litter of *Euterpe edulis* Mart. (Arecaceae), Pariquera-Açu, A.R. Oliveira, Brazil.
- Pulaeus semistriatus* Sergeyenko, 2011: 60—Holotype female (NBG), in soil under cereals, Yanturu mount., Kanaka, Crimea, Ukraine.
- Qunaxella triasetosa* Den Heyer & Castro, 2009: 11—Holotype tritonymph (USPB), from leaf litter of *Bactris setosa* Mart. (Arecaceae), Pariquera-Açu, A.R., Brazil.
- Riscus austroamericanus* Den Heyer, 2012: 36—Holotype female (ESALQ/USP), *Coffea arabica* L., Quillabamba, Cuzco, Peru (12°5'19.6"S, 72°42'13.3"W).

Superfamily **Eriophyoidea** (194 species)

Family **Phytoptidae** (5 species)

- Proartacris cathayensis* Han, Song & Hong, 2012: 35—Holotype female (NJAU), from *Carya cathayensis* Sarg. (Juglandaceae), Cuihua Mountain, Xi'an City, Shaanxi Province, P. R. China (34°59'40"N, 109°00'04"E).
- Novophytoptus aculeatus* Pye, 2012: 44—Holotype female (NHM), North Yorkshire, York, Strensall Common, England, UK (54°2'40.2"N, 1°0'41.76"W).
- Phytoptus alchemillae* Jočić, Petanović & Vidović, 2011: 39—Holotype female (UBS, slide ELB31/18), from *Alchemilla hoppeana* (Rchb.) D. Torre, *aggr.* (Rosaceae), Mt. Bjelasica near Bijelo Polje, Montenegro.
- Phytoptus atherodes* Chetverikov, 2011: 28—Holotype female (SPSU, slide # 61-03), meadow near fir-tree forest, Plesetsk area, Arkhangelsk Prov., Russia (62°72'54"N, 40°28'38"E).
- Sierraphytoptus ambulans* Chetverikov & Sukhareva, 2009: 34—Holotype female (SPSU, slide # 53), from *Fragaria vesca* L. (Rosaceae) [lower leaf surface, no visible damage observed], fir-forest on the right bank of river Oredezh near station Vyritza, Gatchina district, Leningrad Province, Russia (59°23.6'N, 30°18.3'E).

Family **Eriophyidae** (191 species)

- Abacarus doctus* Navia, Flechtmann, Lindquist & Aguilar, 2011: 52—Holotype female (ERGB), from *Saccharum officinarum* L. (Poaceae), El Ingenio El Palmar, District of Pitahaya, Provincia de Puntarenas, Costa Rica.
- Abacarus fopingi* Wang & Hong, 2008: 40—Holotype female (NJAU), from *Rhus chinensis* Mill. (Anacardiaceae), Foping County, Shaanxi Province, P. R. China (33°30'N, 107°58'E).
- Abacarus jiuhuaensis* Wang & Hong, 2008: 42—Holotype female (NJAU), from *Spodiopogon sibiricus* Trin. (Gramineae), Jiuhua Mountain, Anhui Province, P. R. China (30°28'N, 117°48'E).
- Abacarus rotundus* Huang & Wang, 2009: 34—Holotype female (NMNS), *Smilax china* L. (Smilacaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 670 m).
- Acalitus delhiensis* Menon, Joshi & Ramamurthy, 2009: 65—Holotype female (IARI), from *Salvadora persica* (Salvadoraceae), Iari, New Delhi, India.
- Acaphyllisa adamantis* Song, Xue & Hong, 2008: 15—Holotype female (NJAU), from *Salix* sp. (Salicaceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Acaphyllisa changqingiensis* Xue, Han, Song & Hong, 2012: 19—Holotype female (NJAU), from *Salix* sp. L. (Salicaceae), Changqing Nature Reserve, Huayang Town, Yang County, Shaanxi Province, P. R. China (34°41'57"N, 107°37'09"E).
- Acaphyllisa communiae* Huang & Wang, 2009: 21—Holotype female (NMNS), *Lindera communis* Hemsl. (Lauraceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°09'N, 121°34'E, 670 m).

- Acaphyllisa duplicella* Huang & Wang, 2009: 23—Holotype female (NMNS), *Symplocos chinensis* (Lour.) Druce (Symplocaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°11'N, 121°33'E, 650 m).
- Acaphyllisa quinqueridges* Xue, Wang, Song & Hong, 2009: 32—Holotype female (NJAU, NJAUAcariEri283), from *Cyclobalanopsis glauca* (Fagaceae), The Foping National Natural Reserve, Foping County, Shaanxi Province, P. R. China (33°30'48"N, 107°58'52"E, 766 m).
- Acaricalus souzae* Navia & Flechtmann, 2007: 39—Holotype female (DFIB), from *Ipomoea purpurea* (L.) Roth. (Convolvulaceae), Gonçalves, State of Minas Gerais, Brazil (22°39'31"S, 45°51'16"W).
- Aceria angustifoliae* Denizhan, Monfreda, de Lillo & Çobanoğlu, 2008: 44—Holotype female (UAT, code # 2874), Kurtuluş Parkı, Ankara, Turkey (39°51'43"N, 32°43'58"E, 852 m).
- Aceria argentae* Pye, 2011: 64—Holotype female (PPRP), from the plant material intercepted by Maureen Tierney (PHSI) at Heathrow Airport, Middlesex, England, originally imported from Kirstenbosch Botanical Gardens, Cape Town, South Africa.
- Aceria banatica* Vidović, 2011: 57—Holotype female (UBS, slide # 158/2), from *Echinops ruthenicus* (Fisch.) (Asteraceae), Široka torina, Deliblatska peščara, Deliblato Sands, Serbia (44°51.179'N, 21°06.119'E).
- Aceria celata* Flechtmann, 2007: 29—Holotype female (ESALQ/USP), from *Heteropteris aceroides* Griseb, Malpighiaceae, Sao Carlos, Sao Paulo, Brazil (21°54'50"S, 47°49'21"W).
- Aceria cheiradeniae* Lotfollahi, Irani-Nejad, Khanjani, Moghadam & de Lillo, 2012: 56—Holotype female, Kandovan, Iran (37°47'31"N, 46°14'57"E).
- Aculops seguieranae* Irani-Nejad, Khanjani, Moghadam & de Lillo, 2012: 59—Holotype, female Kandovan, Iran (37°47'31"N, 46°14'57"E).
- Aceria flynni* Xue & Zhang, 2008: 18—Holotype female (NZAC), from *Kunzea ericoides* (Myrtaceae), Matuku Reserve, Waitakere Range, Auckland, New Zealand.
- Aceria roxburghiana* Huang, 2008: 15—Holotype female (NMNS), from *Rhus chinensis* Mill var. *Roxburghii* (DC) Rehd. (Anacardiaceae), Jensi, Nantou, Taiwan, P. R. China.
- Aceria serratifoliae* Huang, 2008: 16—Holotype female (NMNS), *Premna serratifolia* L., Premna, (Verbenaceae), Lanyu, Taitung, Taiwan, P. R. China.
- Aceria sylvestrae* Huang, 2008: 23—Holotype female (NMNS), *Elaeocarpus sylvestris* (Lour.) Poiret (Elaeocarpaceae), Neihu, Taipei, Taiwan, P. R. China.
- Aceria taiwanensis* Huang, 2008: 24—Holotype female (NMNS), *Vitex trifolia* L. (Verbenaceae), Yungli, Miaoli, Taiwan, P. R. China.
- Aceria thalgi* Knihinicki, 2009: 25—Holotype female (ASCU), from curled leaf edges of sowthistle, *Sonchus oleraceus*, Capel (south of Perth), Australia (33°39.559'S, 115°43.063'E).
- Aceria virosae* Huang, 2008: 26—Holotype female (NMNS), *Flueggea virosa* (Roxb. & Willd.) Voigt. (Euphorbiaceae), Taichung, Taiwan, P. R. China.
- Aceria tragopogonis* Xue, Sadeghi & Hong, 2012: 29—Holotype female (NJAU), from *Tragopogon coelesyriacus* Boiss. (Compositae), Roshnavand, Birjand, South Khorasan Province, Iran.
- Aculodes alhagis* Xue, Sadeghi & Hong, 2012: 32—Holotype female (NJAU), from *Alhagi maurorum* Medik. (Leguminosae), Mashhad, Razavi Khorasan Province, Iran.
- Aculops haloxylonum* Xue, Sadeghi & Hong, 2012: 32—Holotype female (NJAU), from *Haloxylon persicum* Bunge ex Boiss. et Buhse (Chenopodiaceae), Kashmar, Razavi Khorasan Province, Iran.
- Aculochetus wanluoensis* Wang & Hong, 2008: 44—Holotype female (NJAU), from *Bambusa* sp. (Gramineae), Wanluo Mountain, Chizhou City, Anhui Province, P. R. China (30°39'N, 117°31'E).
- Aculodes tsukushiensis* Xue, Song & Hong, 2010: 38—Holotype female (NJAU, NJAUAcariEri220), from *Elymus tsukushiensis* Honda var. *transiens* (Hack.) Osad (Poaceae), Zhouzhi County, Shaanxi Province, P. R. China (34°03'54"N, 108°19'22"E, 500 m).
- Aculops baligouis* Xue, Song & Hong, 2007: 59—Holotype female (NJAU), from *Acer* sp. L. (Aceraceae), Baligou, Hui County, Henan Province, P. R. China (35°53.72'N, 113°34.70'E).
- Aculops buddlejaes* Xue, Song & Hong, 2010: 35—Holotype female (NJAU, NJAUAcariEri326), from *Buddleja lindleyana* Fort. (Buddlejaceae), Changqing Nature Reserve, Yang County, Shaanxi Province, P. R. China (33°35'23"N, 107°32'26"E, 1083 m).
- Aculops fenestratus* Navia & Flechtmann, 2007: 41—Holotype female (ERGB), from *Delonix regia* (Bojer ex Hook.) Raf. (Fabaceae), Brasília, Distrito Federal, Brazil (15°47'S, 47°55'W).
- Aculops orlovacae* Rector & Petanović, 2012: 60—Holotype female (UBS), from Orlovača, south of Belgrade, Serbia (44°42.34' N, 20°24.78' E).

- Aculops salix* Xue, Song & Hong, 2007: 64—Holotype female (NJAU), from *Salix* sp. L. (Salicaceae), Foping County, Shaanxi Province, P. R. China (33°30.48'N, 107°58.52'E).
- Aculops sienses* Xue, Song & Hong, 2007: 61—Holotype female (NJAU), from *Ligustrum siense* Lour. (Oleaceae), Foping County, Shaanxi Province, P. R. China (33°30.48'N, 107°58.52'E).
- Aculops spondiasis* Chakrabarti & Sarkar, 2011: 29—Holotype female (UKK, No. 1300/19/2006), from *Spondias pinnata* Kurz (Anacardiaceae), English-bazar, Malda, West Bengal, India (24°50'40"N, 87°55'50"E).
- Aculops tianchis* Xue, Song & Hong, 2007: 61—Holotype female (NJAU), from *Betula* sp. L. (Betulaceae), Tianchi Mountain, Song County, Henan Province, P. R. China (34°16.78'N, 111°50.09'E).
- Aculops yangxianensis* Xue, Song & Hong, 2007: 64—Holotype female (NJAU), from *Sophora japonica* L. (Leguminosae), Yang County, Shaanxi Province, P. R. China (33°41.57'N, 107°37.09'E).
- Aculus amurens* Xue, Song & Hong, 2008: 37—Holotype female (NJAU), from *Tilia amurensis* Rupr. (Tiliaceae), Changbai Mountain, Jilin Province, P. R. China (42.03°N, 128.05°E, 1092 m).
- Aculus asteri* Xue, Song & Hong, 2008: 38—Holotype female (NJAU), from *Aster tataricus* L. f. (Compositae), Huayang, Yang County, Shaanxi Province, P. R. China (33.58°N, 107.53°E, 1083 m).
- Aculus blagayanae* Jočić, Petanović & Vidović, 2011: 47—Holotype female (UBS, slide ELB24/1), foothills of the mountain Bjelasica, Montenegro.
- Aculus changbais* Xue, Song & Hong, 2008: 41—Holotype female (NJAU), from *Salix gracilistyla* Miq. (Salicaceae), Changbai Mountain, Jilin Province, P. R. China (42.03°N, 128.05°E, 1092 m).
- Aculus cheilophilanus* Song, Xue & Hong, 2009: 19—Holotype female (NJAU, NJAUAcriEri994), from *Salix cheilophila* Schneid (Salicaceae), Lhasa City, Tibet Autonomous Region, P. R. China.
- Aculus cuihuae* Xue, Song & Hong, 2008: 43—Holotype female (NJAU), from *Ribes* sp. (Saxifragaceae), Cuihua Mountain, Xi'an City, Shaanxi Province, P. R. China (34.98°N, 109.00°E, 901 m).
- Aculus eupteleae* Xue, Song & Hong, 2008: 43—Holotype female (NJAU), from *Euptelea pleiospermum* Hook. f. et Thoms. (Trochodendraceae), Longyuwan, Luanchuan County, Henan Province, P. R. China (33.70°N, 111.75°E, 1015 m).
- Aculus jasmini* Song, Xue & Hong, 2009: 7—Holotype female (NJAU, NJAUAcriEri938), from *Jasminum humile* L. (Oleaceae), Pai town, Nyingchi (Linzhi) Prefecture, Tibet Autonomous Region, P. R. China.
- Aculus jingbois* Xue, Song & Hong, 2008: 48—Holotype female (NJAU), from *Prunus tomentosa* Thunb. (Rosaceae), Jingbo Lake, Heilongjiang Province, P. R. China (43.52°N, 128.54°E, 376 m).
- Aculus lalithi* Xue & Zhang, 2008: 23—Holotype female (NZAC), from *Melicope ternata* (Rutaceae), Waitakere Ranges, Auckland, New Zealand.
- Aculus lhasasorbariae* Song, Xue & Hong, 2009: 16—Holotype female (NJAU, NJAUAcriEri988B), from *Sorbaria* sp. (Rosaceae), Lhasa City, Tibet Autonomous Region, P. R. China.
- Aculus mononis* Song, Xue & Hong, 2008: 31—Holotype female (NJAU), from *Acer mono* Maxim. (Aceraceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Aculus rumexis* Xue, Song & Hong, 2008: 46—Holotype female (NJAU), from *Rumex acetosa* L. (Polygonaceae), Wutai Mountain, Shanxi Province, P. R. China (38.58°N, 113.21°E, 1508 m).
- Aculus sorbariae* Song, Xue & Hong, 2009: 10—Holotype female (NJAU, NJAUAcriEri939), from *Sorbaria sorbifolia* (L.) A. Br. (Rosaceae), Pai town, Nyingchi (Linzhi) Prefecture, Tibet Autonomous Region, P. R. China.
- Aculus tibetsalicinus* Song, Xue & Hong, 2009: 13—Holotype female (NJAU, NJAUAcriEri983), from *Salix* sp. (Salicaceae), Lhasa City, Tibet Autonomous Region, P. R. China.
- Aculus toxicodendri* Xue, Song & Hong, 2008: 48—Holotype female (NJAU), from *Toxicodendron* sp. (Anacardiaceae), Foping County, Shaanxi Province, P. R. China (33.50°N, 107.97°E, 842 m).
- Aculus vignaus* Song, Xue & Hong, 2009: 4—Holotype female (NJAU, NJAUAcriEri933), from *Vigna vexillata* (L.) Rich. (Fabaceae), Pai town, Nyingchi (Linzhi) Prefecture, Tibet Autonomous Region, P. R. China.
- Anthocoptes cellatus* Denizhan, Monfreda, de Lillo & Çobanoglu, 2008: 42—Holotype female (UAT, code # 2386), Ziraat Faculty, Ankara, Turkey (39°57'55"N, 32°47'00"E, 868 m).
- Anthocoptes albosinensis* Han, Song & Hong, 2012: 35—Holotype female (NJAU), from *Betula albosinensis* Burkill (Betulaceae), Changqing Nature Reserve, Huayang Town, Yang County, Shaanxi Province, P. R. China (34°41'57"N, 107°37'09"E).
- Apodiptacus coniunctus* Huang & Wang, 2009: 40—Holotype female (NMNS), *Machilus thunbergii* Siebold & Zucc. (Lauraceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 660 m).
- Asetacus obscurus* Huang & Wang, 2009: 45—Holotype female (NMNS), *Helicia formosana* Hemsl. (Proteaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 675 m).

- Asetadiptacus phaeostictus* Huang & Wang, 2009: 36—Holotype female (NMNS), *Prunus phaeosticta* L. (Smilacaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 675m).
- Asetidicrothrix luculiae* Wei, Wang & Qin, 2009: 61—Holotype female (GUGX), from *Luculia* sp. (Rubiaceae), Jianshi National Forest Park, Tian'er County, Guangxi Zhuang Autonomous Region, P. R. China (25°01'N, 107°16'E).
- Bariella spinishieldis* Xue, Wang, Song & Hong, 2009: 20—Holotype female (NJAU, NJAUAcariEri427), from *Quercus* sp. (Fagaceae), The Cuihua Mountain, Xi'an City, Shaanxi Province, P. R. China (34°59'40"N, 109°00'04"E, 901 m).
- Calacarus cinerascens* Li, Wang & Wei, 2009: 63—Holotype female (GUGX), from *Cipadessa cinerascens* (Pellegr.) Hand.-Mazz. (Meliaceae), Jinzhong MT., 37 km SW of Longlin County, Guangxi Zhuang Autonomous Region, P. R. China (24°8'N, 105°34'E).
- Calacarus smilax* Li, Wang & Wei, 2009: 64—Holotype female (GUGX), from *Smilax* sp. (Liliaceae), Jinzhong MT., 37 km SW of Longlin County, Guangxi Zhuang Autonomous Region, P. R. China (24°8'N, 105°34'E).
- Calacarus pusillus* Pye, 2012: 50—Holotype female (NHM), North Yorkshire, York, Strensall Common, England UK (54°2'40.2"N, 1°0'41.76"W).
- Calepitrimerus clematisis* Song, Xue & Hong, 2008: 19—Holotype female (NJAU), from *Clematis* sp. (Ranunculaceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Calepitrimerus cotoneaster* Song, Xue & Hong, 2009: 13—Holotype female (NJAU, NJAUAcariEri969), from *Cotoneaster buxifolius* Lindl. (Rosaceae), Pai Town, Nyingchi Prefecture, Tibet Autonomous Region, P. R. China (29°35'10"N, 94°55'44"E, 3173 m).
- Calepitrimerus guanegounis* Song, Xue & Hong, 2008: 21—Holotype female (NJAU), from *Lindera rubronervia* Gamble (Lauraceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Calepitrimerus kunmingensis* Xue, Luo, Xu & Hong, 2011: 63—Holotype female (NJAU), from *Schefflera odorata* (Blanco) Merr. & Rolfe (Araliaceae), Campus of Yunnan Agricultural University, Kunming City, Yunnan Province, P. R. China.
- Calepitrimerus linderanis* Song, Xue & Hong, 2008: 23—Holotype female (NJAU), from *Lindera* sp. (Lauraceae), Wen County, Gansu Province, P. R. China (32°56'43"N, 104°40'27"E).
- Calepitrimerus painus* Song, Xue & Hong, 2009: 10—Holotype female (NJAU, NJAUAcariEri949), from *Rhododendron* sp. (Ericaceae), Pai Town, Nyingchi Prefecture, Tibet Autonomous Region, P. R. China (29°35'10"N, 94°55'44"E, 3173 m).
- Calepitrimerus proprius* Huang & Wang, 2009: 27—Holotype female (NMNS), *Lindera communis* Hemsl. (Lauraceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 670 m).
- Calepitrimerus scutulatus* Huang & Wang, 2009: 27—Holotype female (NMNS), *Symplocos chinensis* (Lour.) Druce (Symplocaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°11'N, 121°33'E, 650 m).
- Calesalquia tiantangzhaica* Xue, Wang, Song & Hong, 2009: 20—Holotype female (NJAU, NJAUAcariEriW100), from *Quercus* sp. (Fagaceae), The Tiantangzhai National Forest Park, Jinzhai County, Anhui Province, P. R. China (31°09'57"N, 115°45'57"E, 587 m).
- Calliparus lanceolarus* Li, Wang & Wei, 2010: 45—Holotype female (GUGX), from *Glochidion lanceolarium* (Roxb.) Voigt (Euphorbiaceae), Liuqing town, 60 km South of Beiliu County, Guangxi Zhuang Autonomous Region, P. R. China (22°71'N, 110°33'E).
- Calpentaconvexus eyrei* Li, Wang & Wei, 2007: 54—Holotype female (GUGX), from *Castanopsis eyrei* (Champ. ex Benth.) Tutch. (Fagaceae), Jinzhong Mt., 37 km SW of Longlin County, Guangxi Zhuang Autonomous Region, P. R. China (24°8'N, 105°34'E).
- Calvittacus chenius* Xue, Wang, Song & Hong, 2009: 48—Holotype female (NJAU, NJAUAcariEri756), from *Quercus chenii* (Fagaceae), Wuhan City, Hubei Province, P. R. China (30°58'07"N, 114°41'20"E).
- Calvittacus swidanus* Song, Xue & Hong, 2009: 4—Holotype female (NJAU, NJAUAcariEri891), from *Swida macrophylla* (Wall.) Sojak (Cornaceae), Bayi Town, Nyingchi Prefecture, Tibet Autonomous Region, P. R. China (29°37'01"N, 94°42'00"E, 4247 m).
- Cereusacarus maopingensis* Xue, Wang, Song & Hong, 2009: 52—Holotype female (NJAU, NJAUAcariEri376-1), from *Cyclobalanopsis glauca* (Fagaceae), Maoping town, Yang County, Shaanxi Province, P. R. China (33°31'08"N, 107°40'14"E, 898 m).
- Colopodacus glochidion* Li, Wang & Wei, 2010: 47—Holotype female (GUGX), from *Glochidion* sp. (Euphorbiaceae), Jinzhongshan Nature Reserve, 37 km SW of Longlin County, Guangxi Zhuang Autonomous Region, P. R. China (24°8'N, 105°34'E).

- Colopodacus parallelus* Huang & Wang, 2009: 8**—Holotype female (NMNS), *Hydrangea angustipetala* Hayata (Saxifragaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°10'E, 675 m).
- Colomerus robaticus* Xue Sadeghi & Hong, 2012: 37**—Holotype female (NJAU), from *Prunus dulcis* (Mill.) (Rosaceae), Robat, Birjand, South Khorasan Province, Iran.
- Colopodacus rubrus* Huang & Wang, 2009: 5**—Holotype female (NMNS), *Glochidion rubrum* Blume (Euphorbiaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°12'N, 121°30'E, 855 m).
- Colopodacus variegatae* Wang, Wei & Yang, 2009: 51**—Holotype female (GUGX), from *F. variegata* Bl. var. *chlorocarpa* (Benth.) King (Moraceae), Bawangling National Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°33'N, 109°53'E).
- Colopodacus yunnanensis* Wang, Wei & Yang, 2009: 52**—Holotype female (GUGX), from *F. benjamina* Linn. (Moraceae), Menglun Town, Mengla County, Yunnan Province, P. R. China (21°53'N, 101°11'E).
- Cosella chinensis* Huang & Wang, 2009: 16**—Holotype female (NMNS), *Symplocos chinensis* (Lour.) Druce (Symplocaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 650 m).
- Cosella kadsuriae* Huang & Wang, 2009: 13**—Holotype female (NMNS), *Piper kadsura* (Choisy) Ohwi (Piperaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°12'N, 121°30'E, 685 m).
- Cosella parvifloriae* Huang & Wang, 2009: 16**—Holotype female (NMNS), *Itea parviflora* Hemsl. (Saxifragaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 720 m).
- Cosetacus sharadi* Menon, Joshi & Ramamurthy, 2009: 63**—Holotype female (IARI), from *Cordia dichotoma* (Boraginaceae), Iari, New Delhi, India.
- Cothrix erugata* Reis & Navia, 2011: 17**—Holotype female (ERGB), from *Heliconia stricta* Huber (Heliconiaceae), Recife, Pernambuco, Brazil (08°01'07"S, 34°56'41"W).
- Dichopelmus ibapitanga* Reis & Navia, 2010: 50**—Holotype female (UFRP), from *Eugenia uniflora* L (Myrtaceae), Recife, Pernambuco, Brazil (08°01'07"S, 34°56'41"W).
- Dichopelmus lotus* Xie & Zhu 2010: 63**—Holotype female (HUHC), from *Diospyros kaki* (Ebenaceae), Xiangxidong, three kilometers south of Ankang City, Shaanxi Province, P. R. China (32°40'N, 109°18'E).
- Diptacus acuminatus* Huang & Wang, 2009: 43**—Holotype female (NMNS), *Litsea acuminata* (Blume) Kurata (Lauraceae), Yangmingshan, Taipei, P. R. Taiwan, P. R. China (25°10'N, 121°34'E, 670 m).
- Diptacus glaber* Huang & Wang, 2009: 45**—Holotype female (NMNS), *Rubus* sp. (Rosaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 685 m).
- Diptilomiopus candidus* Huang & Wang, 2009: 40**—Holotype female (NMNS), *Melastoma candidum* D. Ron (Melastomataceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 675 m).
- Diptilomiopus decem* Huang & Wang, 2009: 37**—Holotype female (NMNS), *Callicarpa formosana* Rolfe. (Verbenaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 675 m).
- Disella baisensis* Wang, Li & Wei, 2007: 65**—Holotype female (GUGX), Tongling Great Canyon, 12 km East of Jingxi county, Guangxi Zhuang Autonomous Region, P. R. China (23°15'N, 106°41'E).
- Disella biaristatume* Wang, Li & Wei, 2007: 64**—Holotype female (GUGX), Lizhou town, 24 km NE of Tianlin county, Guangxi Zhuang Autonomous Region, P. R. China (24°31'N, 106°24'E).
- Disella rebeveri* Xue & Zhang, 2008: 3**—Holotype female (NZAC), from curly leaf of shoot 2 on *Kunzea ericoides* (Myrtaceae), Opanuku pipeline track, Waitakere Range, Auckland, New Zealand.
- Epicecidophyes meliosmanis* Song, Xue & Hong, 2008: 9**—Holotype female (NJAU), from *Meliosma* sp. (Sabiaceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Epitrimerus argyris* Xue, Song & Hong, 2007: 6**—Holotype female (NJAU), from *Artemisia argyri* Lévl. & Vant. (Compositae), Foping County, Shaanxi Province, P. R. China (33°30.48'N, 107°58.52'E).
- Epitrimerus buxsinica* Song, Xue & Hong, 2008: 47**—Holotype female (NJAU), from *Buxus sinica* (Rehd. et Wils.) Cheng (Buxaceae), Fuzhou City, Fujian Province, P. R. China (26°06'04"N, 119°17'09"E).
- Epitrimerus cotoneasteri* Xue, Song & Hong, 2007: 10**—Holotype female (NJAU), from *Cotoneaster* sp. B. Ehrhart (Rosaceae), Yang County, Shaanxi Province, P. R. China (33°35.23'N, 107°32.26'E).
- Epitrimerus danzhouicus* Cheng, Xue & Hong, 2009: 17**—Holotype female (NJAU, slide number Q3), from *Ficus gibbosa* Blume (Moraceae), Liangyuan, Danzhou City, Hainan Province, P.R. China (19°30'50"N, 109°29'59"E, 120 m).
- Epitrimerus dendranthema* Xue, Song & Hong, 2007: 3**—Holotype female (NJAU), from *Dendranthema indicum* (L.) Des Moul. (Compositae), Baiyun Mountain, Song County, Henan Province, P. R. China (33°39.86'N, 111°49.58'E).
- Epitrimerus dioscoreaepersimilis* Cheng, Xue & Hong, 2009: 20**—Holotype female (NJAU, slide number Q16), from *Dioscorea persimilis* Prain & Burk. (Dioscoreaceae), Liangyuan, Danzhou City, Hainan Province, P. R. China (19°30'50N, 109°29'59E, 120 m).

- Epitrimerus edsilvai* Flechtmann, 2007: 31—Holotype female (ESALQ/USP), from "canelinha", *Nectandra megapotamica* (Spreng.) Mez., Lauraceae, an ornamental tree used on street arborization, Piracicaba, Sao Paulo, Brazil (800 m west of 22° 42'30"S, 47°38'00"W).
- Epitrimerus integrae* Xue, Song & Hong, 2007: 13—Holotype female (NJAU), from *Salix integra* Thunb. (Salicaceae), Zhouzhi County, Shaanxi Province, P. R. China (33°53.30'N, 108°00.34'E).
- Epitrimerus loniceriae* Xue, Song & Hong, 2007: 8—Holotype female (NJAU), from *Lonicera* sp L. (Caprifoliaceae), Foping County, Shaanxi Province, P. R. China (33°30.48'N, 107°58.52'E).
- Epitrimerus microcarpae* Xue, Song & Hong, 2007: 10—Holotype female (NJAU), from *Ficus microcarpa* L. f. (Moraceae), Shaoguan City, Guangdong Province, P. R. China (24°48.31'N, 113°37.62'E).
- Epitrimerus nyingchicus* Song, Xue & Hong, 2009: 7—Holotype female (NJAU, NJAUAcriEri948), from *Cotoneaster ambiguus* Rhed. et Wils. (Rosaceae), Pai Town, Nyingchi Prefecture, Tibet Autonomous Region, P. R. China (29°35'10"N, 94°55'44"E, 3173 m).
- Epitrimerus vescae* Xue, Song & Hong, 2007: 4—Holotype female (NJAU), from *Fragaria vesca* L. (Rosaceae), Longyuwan, Luanchuan County, Henan Province, P. R. China (33°42.53'N, 111°45.62'E).
- Eriophyes bennetti* Xue & Zhang, 2008: 11—Holotype female (NZAC), from *Fuchsia excorticata* (Onagraceae), junction of West Coast Rd & Scenic Drive, Waitakere Range, Auckland, New Zealand.
- Eriophyes georgeae* Xue & Zhang, 2008: 14—Holotype female (NZAC), from *Brachyglottis elaeagnifolia* (Asteraceae), Summit Track, Mount Taranaki, Taranaki, New Zealand.
- Fujianacarus wisterianis* Song, Xue & Hong, 2008: 43—Holotype female (NJAU), from *Wisteria sinensis* (Sims) Sweet (Leguminosae), Wuyi Mountain, Wuyishan City, Fujian Province, P. R. China (27°44'55"N, 117°40'49"E).
- Gammaphytoptus commune* Huang & Wang, 2009: 20—Holotype female (NMNS), *Lindera communis* Hemsl. (Lauraceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°09'N, 121°34'E, 600 m).
- Gammaphytoptus ficus* Wang, Wei & Yang, 2009: 54—Holotype female (GUGX), from *F. variegata* Bl. var. *chlorocarpa* (Benth.) King (Moraceae), Bawangling National Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°33'N, 109°53'E).
- Glyptacus microcarpae* Wang, Wei & Yang, 2009: 56—Holotype female (GUGX), from *F. variegata* Bl. var. *chlorocarpa* (Benth.) King (Moraceae), Bawangling National Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°33'N, 109°53'E).
- Gymnaceria cupuassu* Oliveira, Rodrigues & Flechtmann, 2012: 54—Holotype female (PEU), Ilhéus, Bahia, Brazil.
- Indotegolophus bambusae* Wang & Hong, 2008: 44—Holotype female (NJAU), from *Bambusa* sp. (Gramineae), Guniujiang, Qimen County, Anhui Province, P. R. China (30°01'N, 117°31'E).
- Jiangsuacarus huaguoshanensis* Xue, Wang, Song & Hong, 2009: 38—Holotype female (NJAU, NJAUAcriEriS34), from *Quercus* sp. (Fagaceae), The Huaguoshan Mountain, Lianyungang City, Jiangsu Province, P. R. China (34°38'54"N, 119°17'18"E).
- Jutarus dolichocladae* Song, Xue & Hong, 2008: 50—Holotype female (NJAU), from *Bambusa dolichoclada* Hayata (Poaceae), Fuzhou City, Fujian Province, P. R. China (26°06'04"N, 119°17'09"E).
- Juxtacolopodacus phalakros* Flechtmann & Queiroz, 2010: 19—Holotype female (ESALQ/USP), from *Mollinedia clavigera* Tul. (Monimiaceae), Jardim Botânico, Curitiba, Paraná, Brazil (25°26'S and 49°14'W).
- Leipothrix menthae* Jočić, Petanović & Vidović, 2011: 43—Holotype female (UBS, slide ELB36/21), village of Zaton near Bijelo Polje, Montenegro.
- Metaculus lepidifolii* Monfreda & Lillo, 2012: 48—Holotype female (DiBCA-EZUB), Yesilhisar, Turkey (38°20'15 N, 35°02'06 E).
- Metaculus tanythrix* Flechtmann & Queiroz, 2010: 26—Holotype female (ESALQ/USP), from *Dicksonia sellowiana* Hook. (Dicksoniaceae), "xaxim", a tree fern, Jardim Botânico, Curitiba, Paraná, Brazil (25°26'S, 49°14'W).
- Nameriophyes sapidae* Xue & Zhang, 2008: 8—Holotype female (NZAC), from nikau palm *Rhopalostylis sapida* (Palmae), Landcare Research, Auckland, New Zealand.
- Propilus bactris* Reis & Navia, 2012: 54—Holotype female (ERGB), from *Bactris maraja* Mart. (Arecaceae), Campo Experimental Confiança, Cantá, Roraima, Brazil (02°35'40.8"N, 60°29'10.51"W).
- Nasuchus socratea* Reis & Navia, 2012: 52—Holotype female (ERGB), from *Socratea exorrhiza* (Marth), Campo Experimental Confiança, Embrapa, Cantá, Roraima, Brazil (02°35'40.8"N, 60°29'10.51"W).
- Neocosella laurifolia* Li, Wang & Wei, 2010: 48—Holotype female (GUGX), from *Genianthus laurifolius* (Roxb.) Hook.f. (Asclepiadaceae), Jinzhongshan Nature Reserve, 37 km SW of Longlin County, Guangxi Zhuang Autonomous Region, P. R. China (24°8'N, 105°34'E).
- Neometaculus beecheyaus* Huang & Wang, 2009: 27—Holotype female (NMNS), *Ficus erecta* Thunb. var.

- beeheyana* (Hook. & Arn.) King (Moraceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 670 m).
- Neovittacus shitaicus* Xue, Wang, Song & Hong, 2009: 56**—Holotype female (NJAU, NJAUAcariEriW29b), from *Quercus* sp. (Fagaceae), The Guniujiang National Natural Reserve, Shitai County, Anhui Province, P. R. China (30°05'23"N, 117°28'57"E, 183 m).
- Nothopoda taiwanensis* Huang & Wang, 2009: 10**—Holotype female (NMNS), *Melastoma candidum* D. Don (Melastomataceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 680 m).
- Oziella sibirica* Chetverikov, 2012: 45**—Holotype female (SPSU), Republic of Buryatia, Barguzinsky District, Maximiha village; from *Carex macroura*, in a fir-dominated (*Abies sibirica*) forest, on the bank of Lake Baikal, Russia (53°26'64"N, 108°73'55"E).
- Pangacarus formosanus* Huang & Wang, 2009: 10**—Holotype female (NMNS), *Callicarpa formosana* Rolfe (Verbenaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°34'E, 685 m).
- Paniculatus curcasis* Xue & Zhang, 2009: 55**—Holotype female (NZAC), from *Jatropha curcas* L. (Euphorbiaceae), Malang, Java, Indonesia.
- Paracaliphoptus yangensis* Xue, Wang, Song & Hong, 2009: 60**—Holotype female (NJAU, NJAUAcariEri376-2), from *Cyclobalanopsis glauca* (Fagaceae), Maoping town, Yang County, Shaanxi Province, P. R. China (33°31'08"N, 107°40'14"E, 898 m).
- Paracaridilophus retusus* Xue, Cheng & Hong, 2011: 44**—Holotype female (NJAU, NJAUAcariEriQ94), from *Fissistigma retusum* (Lévl.) Rehd. (Annonaceae), Bawangling Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°07'03"N, 109°09'02"E, 650 m).
- Paraisoannulus machiles* Xue, Cheng & Hong, 2011: 38**—Holotype female (NJAU, NJAUAcariEriQ52), from *Machilus gamblei* King ex Hook. f. (Lauraceae), Bawangling Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°07'03"N, 109°09'02"E, 650 m).
- Pentacecidophyes xinglongis* Xue, Cheng & Hong, 2011: 41**—Holotype female (NJAU, NJAUAcariEriQ123), from *Litchi chinensis* Sonn. (Sapindaceae), Xinglong, Hainan Province, P. R. China (18°45'10"N, 110°13'24"E, 2 m).
- Petanovicia discolor* Li, Wang & Wei, 2007: 57**—Holotype female (GUGX), from *Sapium discolor* (Champ. ex Benth.) Muell.-Arg. (Euphorbiaceae), Jiulong Waterfall, 48 km northeast of Heng County, Guangxi Zhuang Autonomous Region, P. R. China (22°69'N, 109°2'E).
- Phyllocoptacus aporusae* Wei, Wang & Qin, 2009: 63**—Holotype female (GUGX), from *Aporusa chinensis* (Champ.) Merr. (Euphorbiaceae), Dongzhong town, 70 km west of Fangcheng City, Guangxi Zhuang Autonomous Region, P. R. China (21°46'N, 108°21'E).
- Phyllocoptes bayisis* Song, Xue & Hong, 2009: 47**—Holotype female (NJAU, NJAUAcariEri927), from *Spiraea myrtilloides* Rehd. (Rosaceae), Bayi Town, Nyingchi (Linshi) Prefecture, Tibet Autonomous Region, P. R. China.
- Phyllocoptes cunninghamiae* Song, Xue & Hong, 2009: 38**—Holotype female (NJAU, NJAUAcariEri879), from *Cunninghamia* sp. (Taxodiaceae), Bayi Town, Nyingchi (Linshi) Prefecture, Tibet Autonomous Region, P. R. China.
- Phyllocoptes graminis* Song, Xue & Hong, 2009: 53**—Holotype female (NJAU, NJAUAcariEri936), from *Berberis graminea* Ahrendt (Berberidaceae), Bayi Town, Nyingchi (Linshi) Prefecture, Tibet Autonomous Region, P. R. China.
- Phyllocoptes myrtilloidia* Song, Xue & Hong, 2009: 50**—Holotype female (NJAU, NJAUAcariEri952), from *Spiraea myrtilloides* Rehd. (Rosaceae), Bayi Town, Nyingchi (Linshi) Prefecture, Tibet Autonomous Region, P. R. China.
- Phyllocoptes piceanis* Song, Xue & Hong, 2009: 56**—Holotype female (NJAU, NJAUAcariEri984), from *Picea asperata* Mast. (Pinaceae), Lhasa City, Tibet Autonomous Region, P. R. China.
- Phyllocoptes stephanocarpaceae* Song, Xue & Hong, 2009: 41**—Holotype female (NJAU, NJAUAcariEri905), from *Lonicera stephanocarpaceae* Franch. (Caprifoliaceae), Bayi Town, Nyingchi (Linshi) Prefecture, Tibet Autonomous Region, P. R. China.
- Phyllocoptes webbiana* Song, Xue & Hong, 2009: 44**—Holotype female (NJAU, NJAUAcariEri923), from *Lonicera webbiana* Wall. ex DC. (Caprifoliaceae), Bayi Town, Nyingchi (Linshi) Prefecture, Tibet Autonomous Region, P. R. China.
- Phyllocopturata citricola* Chakrabarti & Sarkar, 2011: 31**—Holotype female (UKK, No.1434/85/2006), from *Citrus maxima* (Rutaceae), Doulatpur, Dakshindinajpur, West Bengal, India (24°50'40"N, 87°55'50"E).
- Phyllocopturata deutzianus* Song, Xue & Hong, 2009: 14**—Holotype female (NJAU, NJAUAcariEri963), from *Deutzia* sp. (Saxifragaceae), Pai Town, Nyingchi Prefecture, Tibet Autonomous Region, P. R. China (29°35'10"N, 94°55'44"E, 3173 m).

- Phyllocoptruta japonica* Han, Song & Hong, 2012: 35—Holotype female (NJAU), from *Lonicera japonica* Thunb. (Caprifoliaceae), Taibai Mountain, Mei County, Shaanxi Province, P. R. China (34°01'51"N, 107°48'36"E).
- Phyllocoptruta smilanus* Song, Xue & Hong, 2009: 19—Holotype female (NJAU, NJAUAcariEri973/974), from *Smilax* sp. (Liliaceae), Pai Town, Nyingchi Prefecture, Tibet Autonomous Region, P. R. China (29°35'10"N, 94°55'44"E, 3173 m).
- Phyllocoptruta sorbarianis* Song, Xue & Hong, 2008: 26—Holotype female (NJAU), from *Sorbaria kirilowii* (Regel) Maxim. (Rosaceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Phyllocoptruta spiraeanis* Song, Xue & Hong, 2008: 28—Holotype female (NJAU), from *Spiraea blumei* G. Don (Rosaceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Phyllocoptruta subcoriaceae* Li, Wang & Wei, 2007: 57—Holotype female (GUGX), from *Embelia subcoriaceae* Mez. (Myrsinaceae), Jiulong Waterfall, 48 km northeast of Heng County, Guangxi Zhuang Autonomous Region, P. R. China (22°69'N, 109°2'E).
- Porcupinotus costaspinosus* Navia & Flechtmann, 2007: 41—Holotype female (ERGB), from *Abarema cochliacarpus* (Gomes) Barneby & J. W. Grimes (Mimosaceae), Brasília, Distrito Federal, Brazil (15°47'S, 47°55'W).
- Procalacarus perporosus* Flechtmann & Queiroz, 2010: 21—Holotype female (ESALQ/USP), from *Randia armata* (Sw.) (Rubiaceae), Campus Embrapa Florestas, Colombo, Paraná, Brazil (25°19'S, 49°09'W).
- Reginesus macuxi* Reis & Navia, 2012: 50—Holotype female (ERGB), from *Bactris* aff. *maraja* Mart. (Arecaceae), Campo Experimental Confiança, Embrapa, Cantá, Roraima, Brazil (02°35'40.8"N, 60°29'10.51"W).
- Retracrus pupunha* Reis & Navia, 2012: 56—Holotype female (ERGB), from *Bactris gasipaes* Kunth (Arecaceae), Campo Experimental Confiança, Cantá, Roraima, Brazil (02°35'40.8"N, 60°29'10.51"W).
- Scolotosus centrolobii* Flechtmann & Keifer, 2010 in Flechtmann & Queiroz, 2010: 23—Holotype female (ESALQ/USP), from *Centrolobium robustum* Mart. (Leguminosae), Piracicaba, São Paulo, Brazil.
- Scolotosus hartfordi* Flechtmann & Keifer, 2010 in Flechtmann & Queiroz, 2010: 25—Holotype female (ESALQ/USP), from *Centrolobium tomentosum* Guill. (Leguminosae), "araribá-rosa", Campus Embrapa Florestas, Colombo, Paraná, Brazil (25°19'S, 49°09'W).
- Shevtchenkella acer* Wei, Wang & Qin, 2009: 65—Holotype female (GUGX), from *Acer davidii* Franch. (Aceraceae), Lizhou town, 24 km NE of Tianlin County, Guangxi Zhuang Autonomous Region, P. R. China (24°31'N, 106°24'E).
- Shevtchenkella camelliae* Song, Xue & Hong, 2008: 48—Holotype female (NJAU), from *Camellia sinensis* (L.) O. Ktze. (Theaceae), Fuzhou City, Fujian Province, P. R. China (26°06'04"N, 119°17'09"E).
- Shevtchenkella hainanensis* Wang, Wei & Yang, 2009: 59—Holotype female (GUGX), from *Ficus variegata* Bl. (Moraceae), Bawangling National Nature Reserve, Changjiang County, Hainan Province, P. R. China (19°33'N, 109°53'E).
- Spinacarus guniujiangensis* Xue, Wang, Song & Hong, 2009: 43—Holotype female (NJAU, NJAUAcariEriW13a), from *Cyclobalanopsis glauca* (Fagaceae), The Guniujiang National Natural Reserve, Qimen County, Anhui Province, P. R. China (30°00'57"N, 117°31'29"E, 370 m).
- Taicolopodacus primus* Huang & Wang, 2009: 5—Holotype female (NMNS), *Helicia formosana* Hemsl. (Proteaceae), Yangmingshan, Taipei, Taiwan, P. R. China (25°10'N, 121°10'E, 675 m).
- Tegolophus changbais* Xue, Song & Hong, 2007: 21—Holotype female (NJAU), from *Ulmus* sp. (Ulmaceae), Changbai Mountain, Jilin Province, P. R. China (42°03'N, 128°05'E).
- Tegolophus floridumis* Xue, Song & Hong, 2007: 22—Holotype female (NJAU), from *Jasminum floridum* Bunge (Oleaceae), Cuihua Mountain, Xi'an City, Shaanxi Province, P. R. China (34°98'N, 109°00'E).
- Tegolophus liangyuanicus* Cheng, Xue & Hong, 2009: 23—Holotype female (NJAU, slide number Q4), from *Litchi chinensis* Sonn. (Sapindaceae), Liangyuan, Danzhou City, Hainan Province, P. R. China (19°30'50"N, 109°29'59"E, 120 m).
- Tegolophus picrasmae* Xue, Song & Hong, 2007: 23—Holotype female (NJAU), from *Picrasma quassioides* (D. Don) Benn. (Simarubaceae), Cuihua Mountain, Xi'an City, Shaanxi Province, P. R. China (34°98'N, 109°00'E).
- Tegolophus spathaceae* Xue, Song & Hong, 2010: 41—Holotype female (NJAU, NJAUAcariEri199), from *Fargesia spathacea* Franch. (Poaceae, Bambuseae), Zhouzhi County, Shaanxi Province, P. R. China (34°03'54"N, 108°19'22"E, 500 m).
- Tegolophus suffruticosae* Xue, Song & Hong, 2007: 26—Holotype female (NJAU), from *Securinega suffruticosa* (Pall.) Rehd. (Euphorbiaceae), Jingbo Lake, Heilongjiang Province, P. R. China (43°52'N, 128°54'E).
- Tegolophus triarrhenae* Xue, Song & Hong, 2007: 28—Holotype female (NJAU), from *Triarrhena sacchariflora* (Maxim.) Nakai (Gramineae), Baiyun Mountain, Song County, Henan Province, P. R. China (34°08'N, 111°82'E).

- Tegonotus albus** Xue, Han, Song & Hong, 2012: 23—Holotype female (NJAU), from *Cornus alba* L. (Cornaceae), Changqing Nature Reserve, Huayang Town, Yang County, Shaanxi Province, P. R. China (34°41'57"N, 107°37'09"E).
- Tegonotus fesus** Chakrabarti & Sarkar, 2011: 34—Holotype female (UKK, No. 1378/91/2006), from *Mangifera indica* (L.) (Anacardiaceae), Amriti, Malda, West Bengal, India (24°20'38"N, 87°05'29"E).
- Tegonotus hispidae** Wang, Wei & Yang, 2009: 60—Holotype female (GUGX), from *F. hispida* Linn. (Moraceae), Guangxi University campus, Nanning, Guangxi Zhuang Autonomous Region, P. R. China (22°50'N, 108°19'E).
- Tegophyes embelia** Wei, Wang & Qin, 2009: 66—Holotype female (GUGX), from *Embelia oblongifolia* Hemsl. (Myrsinaceae), Dongzhong town, 70 km west of Fangcheng City, Guangxi Zhuang Autonomous Region, P. R. China (21°46'N, 108°21'E).
- Tetra actinidiae** Xue, Song & Hong, 2007: 4—Holotype female (NJAU), from *Actinidia* sp. Lindl. (Actinidiaceae), Cuihua Mountain, Xi'an City, Shaanxi Province, P. R. China (34.98°N, 109.00°E).
- Tetra coriariae** Xue, Song & Hong, 2007: 4—Holotype female (NJAU), from *Coriaria nepalensis* Wall. (Coriariaceae), Huayang, Yang County, Shaanxi Province, P. R. China (33.58°N, 107.53°E).
- Tetra diamantiacae** Xue, Song & Hong, 2007: 7—Holotype female (NJAU), from *Rhamnus diamantiaca* Nakai (Rhamnaceae), Jingbo Lake, Heilongjiang Province, P. R. China (43.52°N, 128.54°E).
- Tetra guangxiensis** Li, Wang & Wei, 2009: 65—Holotype female (GUGX), from *Derris* sp. (Leguminosae), Jiulong Mt., 48 km NE of Heng County, Guangxi Zhuang Autonomous Region, P. R. China (22°69'N, 109°2'E).
- Tetra hupeanae** Xue, Song & Hong, 2007: 9—Holotype female (NJAU), from *Dalbergia hupeana* Hance (Leguminosae), Huayang, Yang County, Shaanxi Province, P. R. China (33.58°N, 107.53°E).
- Tetra polygonumnis** Song, Xue & Hong, 2008: 36—Holotype female (NJAU), from *Polygonum* sp. (Chenopodiaceae), Lanzhou City, Gansu Province, P. R. China (36°05'19"N, 103°41'49"E).
- Tetra sinicusis** Xue, Song & Hong, 2007: 11—Holotype female (NJAU), from *Dipentodon sinicus* Dunn (Celastraceae), Huayang, Yang County, Shaanxi Province, P. R. China (33.58°N, 107.53°E).
- Tetra zhoushis** Xue, Song & Hong, 2007: 13—Holotype female (NJAU), from *Pistacia chinensis* Bunge (Anacardiaceae), Hei River, Zhouzhi County, Shaanxi Province, P. R. China (33.88°N, 108.09°E).
- Tegonotus platycaryanis** Song, Xue & Hong, 2008: 17—Holotype female (NJAU), from *Platycarya strobilacea* Sieb. et Zucc. (Juglandaceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Tegnacus unicornutus** Pye, 2012: 55—Holotype female (NHM), North Yorkshire, Knaresborough, England, UK (54°0'28.08"N, 1°28'17.4"W).
- Vasates desmodius** Song, Xue & Hong, 2009: 4—Holotype female (NJAU, NJAUAcariEri934), from *Desmodium* sp. (Fabaceae), Pai Town, Nyingchi Prefecture, Tibet Autonomous Region, P. R. China (29°35'10"N, 94°55'44"E, 3173 m).
- Vittacus cornusis** Xue, Song & Hong, 2010: 32—Holotype female (NJAU, NJAUAcariEri310), from *Cornus officinalis* Sieb. et Zucc. (Cornaceae), Changqing Nature Reserve, Yang County, Shaanxi Province, P. R. China (33°35'23"N, 107°32'26"E, 1083 m).
- Vittacus shaoguanicus** Xue, Song & Hong, 2010: 29—Holotype female (NJAU, NJAUAcariEri306), from *Carmona retusa* (Vahl) Masam. (Boraginaceae), Shaoguan City, Guangdong Province, P. R. China (24°48'12"N, 113°34'18"E, 59 m).

Family **Diptilomiopidae** (48 species)

- Acarhynchus ferrocalamus** Wang, Wei & Yang, 2009: 55—Holotype female (GUGX), from *Ferrocalamus strictus* Hsueh et Keng f. (Poaceae), Fengyangshan National Nature Reserve, Longquan City, Zhejiang Province, P. R. China (27°53'N, 119°11'E, 1510 m).
- Apodiptacus archiboehmerus** Wei, Wang & Li, 2009: 64—Holotype female (GUGX), from *Archiboehmeria atrata* (Gagnep.) C. J. Chen (Urticaceae), Mulun National Nature Reserve, Huanjiang County, Guangxi Zhuang Autonomous Region, P. R. China (24°13'N, 108°26'E).
- Areekulus rhododendronis** Song, Xue & Hong, 2008: 42—Holotype female (NJAU), from *Rhododendron* sp. L. (Ericaceae), Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Asetadiptacus acarubri** Pye & de Lillo, 2010: 19—Holotype female (NHM), commercial plant nursery site, Tonbridge, Kent, South East of England, UK.
- Brevulacus jilinensis** Xue, Song & Hong, 2009: 3—Holotype female (NJAU), from *Quercus* sp. (Fagaceae), Zhuque Mountain, Jilin City, Jilin, Province, P. R. China.
- Brevulacus extensus** Pye, 2012: 60—Holotype female (NHM), North Yorkshire, York, Strensall Common, England UK (54°2'40.2"N, 1°0'41.76"W).

- Catarhinus granatus* Reis & Navia, 2011: 23—Holotype female from *Heliconia bihai* L. (Heliconiaceae), Recife, Pernambuco, Brazil (08°01'07"S, 34°56'41"W).
- Cuihuacarus longituberis* Xue, Song & Hong, 2009: 4—Holotype female (NJAU), from *Cotoneaster* sp. (Rosaceae), Cuihua Mountain, Xi'an City, Shaanxi Province, P. R. China.
- Davisella spondias* Reis & Navia, 2010: 47—Holotype female (UFRP), from *Spondias mombin* L. (Anacardiaceae), Recife, Pernambuco, Brazil (08°01'07"S, 34°56'41"W).
- Diptilomiopus buxusis* Song, Xue & Hong, 2008: 39—Holotype female (NJAU), from *Buxus* sp. (Buxaceae), Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Diptacus abelis* Song, Xue & Hong, 2007: 41—Holotype female (NJAU), from *Abelia biflora* Turcz. (Caprifoliaceae), Taibai Mountain, Mei County, Shaanxi Province, P. R. China (34°01'23"N, 107°48'36"E).
- Diptacus daphniphyllus* Wang, Wei & Yang, 2009: 57—Holotype female (GUGX), from *Daphniphyllum macropodum* Miq. (Daphniphyllaceae), Fengyangshan National Nature Reserve, Longquan City, Zhejiang Province, P. R. China (27°53'N, 119°11'E, 1550 m).
- Diptacus maddenis* Song, Xue & Hong, 2007: 45—Holotype female (NJAU), from *Maddenia hypoleuca* Koehne (Rosaceae), Cuihua Mountain, Xi'an City, Shaanxi Province, P. R. China (32°59'40"N, 109°00'04"E).
- Diptacus mercurialis* Song, Xue & Hong, 2007: 48—Holotype female (NJAU), from *Mercurialis leiocarpa* Sieb. et Zucc. (Euphorbiaceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Diptacus serrulatis* Song, Xue & Hong, 2007: 48—Holotype female (NJAU), from *Photinia serrulata* Lindl. (Rosaceae), Baishui River, Wen County, Longnan City, Gansu Province, P. R. China (32°50'13"N, 104°39'58"E).
- Diptacus sorbusis* Song, Xue & Hong, 2007: 48—Holotype female (NJAU), from *Sorbus* sp. L. (Rosaceae), Guan'e Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Diptacus symplocos* Wang, Wei & Yang, 2009: 59—Holotype female (GUGX), from *Symplocos paniculata* (Thunb.) Miq. (Symplocaceae), Fengyangshan National Nature Reserve, Longquan City, Zhejiang Province, P. R. China (27°53'N, 119°11'E, 1850 m).
- Diptacus wensis* Song, Xue & Hong, 2007: 46—Holotype female (NJAU), from *Viburnum* sp. L. (Caprifoliaceae), Wen County, Longnan City, Gansu Province, P. R. China (32°56'43"N, 104°40'27"E).
- Diptacus zhouzhisis* Song, Xue & Hong, 2007: 43—Holotype female (NJAU), from *Carpinus* sp. L. (Betulaceae), Hei River, Zhouzhi County, Shaanxi Province, P. R. China (33°53'30"N, 108°00'34"E).
- Diptilomiopus ambromae* Wang, Wei & Yang, 2009: 55—Holotype female (GUGX), from *Ambroma augusta* (Linn.) Linn. f. (Sterculiaceae), Longtan, Tian'er County, Guangxi Zhuang Autonomous Region, P. R. China (25°01'N, 107°16'E).
- Diptilomiopus euscaphiae* Wang, Wei & Yang, 2009: 57—Holotype female (GUGX), from *Euscaphis japonica* (Thunb.) Dipp. (Staphyleaceae), Lizhou town, 24 km NE of Tianlin county, Guangxi Zhuang Autonomous Region, P. R. China (24°31'N, 106°24'E).
- Diptilomiopus ligustri* Wang, Wei & Yang, 2009: 58—Holotype female (GUGX), from *Ligustrum quihoui* Carr. (Oleaceae), Kunming, Yunnan Province, P. R. China (25°02'N, 102°42'E).
- Diptilomiopus lithocarpi* Wang, Wei & Yang, 2009: 60—Holotype female (GUGX), from *Lithocarpus glaber* Nakai (Fagaceae), Tianmushan National Nature Reserve Lin'an county, Zhejiang Province, P. R. China (30°22'N, 119°28'E).
- Diptilomiopus ternstroemiae* Wang, Wei & Yang, 2009: 61—Holotype female (GUGX), from *Ternstroemia nitida* Merr. (Theaceae), Fengyangshan National Nature Reserve, Longquan City, Zhejiang Province, P. R. China (27°53'N, 119°11'E).
- Hyborhinus linderiae* Wang, Wei & Yang, 2010: 40—Holotype female (GUGX), from *Lindera obtusiloba* Blume (Lauraceae), Tianmushan National Nature Reserve, Lin'an county, Zhejiang, P. R. China (30°22'N, 119°28'E).
- Neocatarhinus dendrocalamus* Wang, Wei & Yang, 2010: 42—Holotype female (GUGX), from *Dendrocalamus latiflorus* Munro (Poaceae), Bubeng village, Mengla county, Yunnan, P. R. China (21°30'N, 101°28'E).
- Rhinophytoptus sericeaomeiensis* Xue, Song & Hong, 2009: 7—Holotype female (NJAU), from *Rosa sericea* ssp. *omeiensis* (Rosaceae), Huayang, Shaanxi Province, P. R. China.
- Rhinophytoptus tremae* Wang, Wei & Yang, 2010: 45—Holotype female (GUGX), from *Trema cannabina* Lour. (Ulmaceae), Tianmushan National Nature Reserve, Lin'an county, Zhejiang Province, P. R. China (30°22'N, 119°28'E).
- Rhinotergum shaoguanense* Xue, Song & Hong, 2009: 12—Holotype female (NJAU), from *Ulmus* sp. (Ulmaceae), Shaoguan City, Guangdong Province, P. R. China.
- Rhyncadicrus asperulus* Reis & Navia, 2011 in Reis, Gondim Jr, Navia & Flechtmann, 2011: 20—Holotype female (UFRP), from banana, *Musa acuminata* Colla x *Musa balbisiana* Colla (genomic group AAB) (Musaceae), Recife, Pernambuco, Brazil (08°01'07"S, 34°56'41"W).

- Rhyncaphytoptus acutifoliae* Song, Xue & Hong, 2009: 37**—Holotype female (NJAU, slide marked 892), from *Cotoneaster acutifolius* Turcz. (Rosaceae), Bayi town, Linzhi District, Tibet Autonomous Region, P. R. China.
- Rhyncaphytoptus brassaiopsus* Wei, Wang & Li, 2009: 62**—Holotype female (GUGX), from *Brassaiopsis glomerulata* (Bl.) Regel (Araliaceae), Jianshi National Forest Park, Tian'er County, Guangxi Zhuang Autonomous Region, P. R. China (25°01'N, 107°16'E).
- Rhyncaphytoptus buxifoliae* Song, Xue & Hong, 2009: 43**—Holotype female (NJAU, slide marked 967/970A), from *Cotoneaster buxifolius* Lindl. (Rosaceae), Pai town, Linzhi District, Tibet Autonomous Region, P. R. China.
- Rhyncaphytoptus debregeasus* Wei, Wang & Li, 2009: 63**—Holotype female (GUGX), from *Debregeasia elliptica* C. J. Chen (Urticaceae), Jianshi National Forest Park, Tian'er County, Guangxi Zhuang Autonomous Region, P. R. China (25°01'N, 107°16'E).
- Rhyncaphytoptus funali* Xue, Song & Hong, 2009: 15**—Holotype female (NJAU), from *Salix* sp. (Salicaceae), Foping County, Shaanxi Province, P. R. China.
- Scoliquadracus longipetiolatus* Wei, Wang & Li, 2009: 60**—Holotype female (GUGX), from *Fagus longipetiolata* Seem. (Fagaceae), Lizhou town, 24 km NE of Tianlin county, Guangxi Zhuang Autonomous Region, P. R. China (24°31'N, 106°24'E).
- Rhyncaphytoptus tibetirosae* Song, Xue & Hong, 2009: 34**—Holotype female (NJAU, slide marked 880), from *Rosa* sp. (Rosaceae), Bayi town, Linzhi District, Tibet Autonomous Region, P. R. China.
- Rhyncaphytoptus tibetisalis* Song, Xue & Hong, 2009: 40**—Holotype female (NJAU, slide marked 922), from *Salix* sp. (Salicaceae), Bayi town, Linzhi District, Tibet Autonomous Region, P. R. China.
- Rhyncaphytoptus tiliarium* Song, Xue & Hong, 2007: 61**—Holotype female (NJAU), from *Tilia* sp. (Tiliaceae), Guane Gou, Dangchang County, Gansu Province, P. R. China (33°57'39"N, 104°19'45"E).
- Rhyncaphytoptus longyuwanis* Song, Xue & Hong, 2007: 59**—Holotype female (NJAU), from *Toxicodendron* sp. (Anacardiaceae), Longyuwan, Luanchuan County, Henan Province, P. R. China (33°42'53"N, 111°45'62"E).
- Rhyncaphytoptus tiliarium* Song, Xue & Hong, 2007: 61**—Holotype female (NJAU), from *Tilia* sp. (Tiliaceae), Baotianman, Neixiang County, Henan Province, P. R. China (33°31'00"N, 111°55'85"E).
- Rhyncaphytoptus yilisis* Song, Xue & Hong, 2007: 66**—Holotype female (NJAU), from *Betula platyphylla* Suk. (Betulaceae), Xinjiang Uygur Autonomous Region, Yili Kazak Autonomous State, P. R. China (43.55°N, 81.20°E).
- Shaanxicarus glaucaer* Xue, Wang, Song & Hong, 2009: 69**—Holotype female (NJAU, NJAUAcarEri376-3), from *Cyclobalanopsis glauca* (Fagaceae), Maoping town, Yang County, Shaanxi Province, P. R. China (33°31'08"N, 107°40'14"E, 898 m).
- Solivagus alpha* Reis & Navia, 2010 in Reis, Gondim Jr, Navia & Flechtmann, 2010: 46**—Holotype female (UFRP), from *Spondias mombin* L. (Anacardiaceae), Recife, Pernambuco, Brazil (08° 01'07"S, 34° 56'41"W).
- Trimeroptes kakius* Xie & Zhu 2010: 65**—Holotype female (HUHC), from *Diospyros kaki* (Ebenaceae), Xiangxidong, three kilometers south of Ankang City, Shaanxi Province, P. R. China (32°40'N, 109°18'E).
- Trimeroptes lambertianus* Wei, Wang & Li, 2009: 66**—Holotype female (GUGX), from *Rubus lambertianus* Ser. (Rosaceae), Lizhou town, 24 km NE of Tianlin County, Guangxi Zhuang Autonomous Region, P. R. China (24°31'N, 106°24'E).
- Rhyncaphytoptus qimenensis* Xue, Wang, Song & Hong, 2009: 77**—Holotype female (NJAU, NJAUAcarEriW13b), from *Cyclobalanopsis glauca* (Fagaceae), The Guniujiang National Natural Reserve, Qimen County, Anhui Province, P. R. China (30°00'57"N, 117°31'29"E, 370 m).
- Vimola emarginata* Wang, Wei & Yang, 2010: 47**—Holotype female (GUGX), from *Terminalia* sp. (Combretaceae), Bubeng village, Mengla county, Yunnan, P. R. China (21°30'N, 101°28'E).
- Superfamily **Eupodoidea** (11 species)
Family **Penthalodidae** (3 species)
- Penthalodes alaskaensis* Jesionowska, 2010: 31**—Holotype not designated¹ (depository not known), northern Alaska, USA.
- Penthalodes hawaiiensis* Jesionowska, 2010: 32**—Holotype not designated² (BBM), samples from grass and lichen, vicinity of Volcano-Hilo road, Hawaii, USA.

1. In describing this species, Jesionowska (2010) did not designate a holotype nor indicate the name and location of the collection for the specimen; at the end of the description for this species, Jesionowska (2010, p. 32) noted: "For the original description and deposition of type specimens see Strandmann (1971)." However, Strandmann (1971) did not designate type specimens nor indicate depository. Therefore this name is not available according to ICZN (1999) in terms of nomenclature. However, taxonomically we do not dispute whether it was a new species different from other species of the genus and therefore count it towards the total number of new species.

Penthalodes polonicus Jesionowska, 2010: 32—Holotype female (AMU, KJJ724-1), mosses, grass and soil, stone under the peaks of "Olejarnia" in Niżna Brama Chochołowska, Dolina Chochołowska (Chochołowska Valley), Tatrzański Park Narodowy (The Tatra Mountains National Park), Zakopane, Poland.

Family **Rhagidiidae** (8 species)

Foveacheles thaleri Zacharda, 2010 in Zacharda, Fong, Hobbs III, Piva, Slay & Taylor, 2010: 58—Holotype female (OSU, No. OSAL0007416), Cedar Valley, Troodos, Cyprus (1200 m).

Traegaardhia cavernarum Zacharda, 2010 in Zacharda, Fong, Hobbs III, Piva, Slay & Taylor, 2010: 26—Holotype female (OSU, No. OSAL0007423), Buso del Marmo Cave (1202 V/BL), Quero (Belluno), Massiccio del Monte Grappa, Veneto, Italy (340 m).

Traegaardhia cavernicola Zacharda, 2010 in Zacharda, Fong, Hobbs III, Piva, Slay & Taylor, 2010: 13—Holotype female (OSU, No. OSAL0007407), Grotte Vecchia Diga Cave (327 Fr/PN), Barcis (Pordenone), Monte Cavallo mountain range, the Stubai Alps, Friuli, Italy (484 m).

Traegaardhia distosolenidia Zacharda, 2010 in Zacharda, Fong, Hobbs III, Piva, Slay & Taylor, 2010: 36—Holotype female (OSU, No. OSAL0007428), in the mesovoid shallow substratum habitat (Juberthie 2000) in a grove east of the Moreieta Restaurant (not in limestone zone), Arcugnano (Vicenza), the Monti Berici Mts, Veneto, Italy (335 m).

Traegaardhia gracilis Zacharda, 2010 in Zacharda, Fong, Hobbs III, Piva, Slay & Taylor, 2010: 31—Holotype female (OSU, No. OSAL007374), excavated in endogean environment near the stream, the Boia valley, Valdagno (Vicenza), the Lessinian Mts, Venetia, Italy (480 m).

Traegaardhia nasuta Zacharda, 2010 in Zacharda, Fong, Hobbs III, Piva, Slay & Taylor, 2010: 21—Holotype male (OSU, No. OSAL0007422), Buso dei Zambon Cave (6080 V/TV), San Pietro di Feletto (Treviso), the Hills of Conegliano, Veneto, northeastern Italy (190 m).

Traegaardhia similis Zacharda, 2010 in Zacharda, Fong, Hobbs III, Piva, Slay & Taylor, 2010: 40—Holotype female (OSU, No. OSAL0007396), Toney Bend Mine No. 2, Marion Co., Arkansas, USA.

Traegaardhia subterranea Zacharda, 2010 in Zacharda, Fong, Hobbs III, Piva, Slay & Taylor, 2010: 52—Holotype female (OSU, No. OSAL0007429), Amarcord Cave (6391 V/VI), Valdagno (Vicenza), Lessinian Mts, Italy (650 m).

Superfamily **Halacaroidea** (7 species)

Family **Halacaridae** (7 species)

Copidognathus bruneiensis Chatterjee, Marshall & Pešić, 2012: 23—Holotype, female (MMP), Kota Batu, Sangai Brunei Estuary and Bay, Brunei Darussalam (4°56'N, 115°1'E).

Acarochelopodia caissara Pepato, Tiago & Rocha, 2011: 57—Holotype male (MZSP, AC82), Pitangueiras Beach, North Coast of São Paulo State, Brazil.

Copidognathus angusticeps Bartsch, 2007: 42—Holotype female (WAM, T78346), from seagrass (*Amphibolis* spec.) with epiflora and fauna, Duke of Orleans Bay, Western Australia (33°55'S, 122°35'E).

Copidognathus mangrovorum Chatterjee, Marshall & Pešić, 2012: 19—Holotype female (MMP), Kota Batu, Sungai Brunei Estuary and Bay, Brunei Darussalam (4°56'N, 115°1'E).

Copidognathus matemwensis Chatterjee, Troch & Chan, 2008: 50—Holotype male (NIOGI), among coral rubble of *Fungia*, Matemwe, east coast of Unguja, Zanzibar, Tanzania (5°52'S, 39°21'E).

Copidognathus parvulus Bartsch, 2007: 45—Holotype male (WAM, T78347), corallines on demosponge, just below low water line, Duke of Orleans Bay, Esperance, Western Australia (33°55'S, 122°35'E).

Halacaroides antoniazziae Pepato, Tiago & Rocha, 2011: 55—Holotype male (MZSP, AC81), Pitangueiras Beach, North Coast of São Paulo State, Brazil.

Infraorder **Anystina** (265 species)

Hyporder **Anystae** (264 species)

Superfamily **Adamystoidea** (1 species)

Family **Adamystidae** (1 species)

Adamystis thailandensis Fuangarworn & Lekprayoon, 2010: 62—Holotype female (CUMN, CUMZ-AC-2010.57), from soil and leaf-litter in a coastal *Melaleuca* forest, Hard-Thaimuang Khao-Champee National Park, Thaimuang District, Pang-Nga Province, Thailand (8°29'38"N, 98°13'39"E).

2. In describing this species, Jesionowska (2010) did not designate a holotype nor indicate the name and location of the collection for the specimen; at the end of the description for this species, Jesionowska (2010, p. 32) noted: "For the original description and deposition of type specimens see Strandmann and Goff (1978)." However Strandmann and Goff (1978) did not designate any type specimen for the five females studied, although the name and location of the depository were indicated. We herein designate the female specimen (BBM-X 145984, deposited in BBM) as the neotype to make *Penthalodes hawaiiensis* available following ICZN (1999).

Superfamily **Erythraeoidea** (9 species)

Family **Erythraeidae** (9 species)

- Abrolophus montenegrinus* Saboori, Šundić & Pešić, 2012: 54**—Holotype larva (JAZM, ARS-20110815-1a), bank of Krupac Lake, Nikšić, Montenegro (42°47'9.60"N, 18°54'13.14"E).
- Abrolophus petanovicae* Saboori, Šundić & Pešić, 2012: 57**—Holotype larva (JAZM, ARS-20110815-2a), bank of Skadar Lake, Murići, Montenegro (42°10'46.08"N, 19°11'35.02"E).
- Balaustium hernandezi* Maĳol, Arijs & Wäckers, 2012: 2**—Holotype female (MNCN, ID no. 20.02/17157), from a sweet pepper (*Capsicum annuum*) greenhouse in El Ejido, Province of Almería, Spain.
- Erythraeus (Erythraeus) chrysoperlae* Khanjani, Mirmoayedi, Asali Fayaz & Sharifian, 2012: 54**—Holotype larvae (BASU), from pear lace bug, *Stephanitis pyri* F. (Heteroptera: Tingidae), on poplar tree, *Populus nigra* L. (Salicaceae), College of Agriculture, Bu-Ali Sina University, Hamedan, Hamedan Province, Iran (34°47'38"N, 48°29'04"E).
- Erythraeus (Erythraeus) chrysoperlae* Khanjani, Mirmoayedi, Asali Fayaz & Sharifian, 2012: 63**—Holotype larva (BASU), from a green lacewing, *Chrysoperla kalthoffi* (Navas) (Neuroptera: Chrysopidae), Shahanjarin, Razan, Hamedan Province, Iran (35°13'22"N, 49°10'16"E).
- Erythraeus (Zaracarus) hamedanicus* Khanjani, Mirmoayedi, Nahad & Fayaz, 2010: 26**—Holotype larva (BASU), firebug, *Pyrrhocoris apterus* L. (Hemiptera: Pyrrhocoridae), College of Agriculture, Bu-Ali Sina University, Hamedan, Iran (34°48'N, 48°28'E, 1820 m).
- Erythraeus (Zaracarus) soleimanii* Khanjani, Mirmoayedi, Nahad & Fayaz, 2010: 21**—Holotype larva (BASU), from *Chrysoperla kalthoffi* (Navas) (Neuroptera: Chrysopidae), Shahanjarin, Razan, Hamedan Province, Iran (35°13'22"N, 49°10'16"E, 1825 m).
- Forania sendrai* Mayoral & Barranco, 2010: 62**—Holotype larva (MNCN, code 20.02/17063), on *Tapinoma* sp. (Hymenoptera: Formicidae), Sierra Alhamilla. T.M. Turrillas. Almería, Spain.
- Makolia crimeaensis* Saboori, Khaustov & Hakimitabar, 2009: 24**—Holotype larva (UTKI, ARS-20090214-1a), ectoparasitic on *Lasius* sp. (Hymenoptera: Formicidae), Ay-Petri mountain pasture, Crimea, Ukraine.

Superfamily **Allotanaupodoidea** (5 species)

Family **Allotanaupodidae** (5 species)

- Allotanaupodus orete* Zhang & Fan, 2007: 20**—Holotype male (NZAC), pit trap, Te Puia Hut, Orete Forest, BP, New Zealand.
- Allotanaupodus williamsi* Zhang & Fan, 2007: 8**—Holotype female (NZAC), in Malaise traps, Kawau I., AK, New Zealand (36.42°S, 174.85°E).
- Allotanaupodus winksi* Zhang & Fan, 2007: 26**—Holotype male (NZAC), Mt. Messenger, TK, New Zealand.
- Nanotanaupodus andrei* Zhang & Fan, 2007: 33**—Holotype male (NZAC), from litter, moss and rotten wood, Waituhi Saddle, TO, New Zealand.
- Nanotanaupodus gracehallae* Zhang & Fan, 2007: 44**—Holotype male (NZAC), Waenga Bush, Lottin Point Road, BP, New Zealand.

Superfamily **Chyzerioidea** (1 species)

Family **Chyzeriidae** (1 species)

- Parawenhoekia seadi* Saboori, Pesic & Hakimitabar, 2008: 63**—Holotype larva (UTKI, ARS-20070627-1a), ectoparasitic on unidentified Acrididae in Piperi, Celija, Piperska, Podgorica area, Montenegro.

Superfamily **Trombiculoidea** (16 species)

Family **Trombiculidae** (16 species)

- Aboriginesia ludmilae* Kováčik & Kalúz, 2010: 24**—Holotype larva (SNMB, SZ 6940), Alpes Mts, Kanton district, Switzerland.
- Aboriginesia obuchi* Kováčik & Kalúz, 2010: 30**—Holotype larva (SNMB, SZ 6942), on adult female of *Chionomys gud*, Azau village, Baksan valley, Elbrus Mt. North-East, Caucasus Mts., Russia (43°26'N, 42°58'E).
- Arabapollonia omanensis* Stekolnikov, Carranza & Gomez-Diaz, 2012: 76**—Holotype larva (ZISP, 8423, T-Tr.-56), ex *Hemidactylus lemurinus* (Sauria: Gekkonidae) (mite Id S7609, tube No. EGD-3), Dhofar Governorate, Wadi Ayoun, Oman (17.24218°N, 53.89095°E).
- Cheladonta deserticola* Stekolnikov & Daniel, 2012: 82**—Holotype (ZISP, 8067, T-Tr.-53), ex *Microtus schidlovskii*, Turkey: Antalya Prov., 6 km W from Kizlarsivrisi Mt, Turkey.
- Kayella pannonica* Kalúz, 2008: 32**—Holotype female (SNMB, SZ 6886), thermophile foreststeppe oak-hawthorn forest (*Crataegeto-Quercetum*), SW-Slovakia, Bratislava, Slovakia (48°05'43"N, 17°09'44"E, 125 m).
- Kepkatrombicula ciliciensis* Stekolnikov & Daniel, 2012: 29**—Holotype larva (ZISP, 8025, T-Tr.-47), ex *Microtus schidlovskii*, Adana Prov., 5 km SEE from Yelatan, Turkey.

- Kepratrombicula taurensis* Stekolnikov & Daniel, 2012: 33**—Holotype larva (ZISP, 7989, T-Tr.-48), ex *Chionomys nivalis*, Antalya Prov., 6 km SWW from Kizlarsivrisi Mt, Turkey.
- Lacertacarus graecus* Kalúz, 2011: 17**—Holotype larva (SNMB), mountain pasture, Agia Paraskevi env., Pindos Mts., Greece (39°34'15"N, 21°14'49"E, 960 m).
- Lacertacarus turcicus* Kalúz, 2011: 22**—Holotype larva (SNMB), mountain pasture, Harbyie, env., Antakya, Turkey (36°07'N, 36°10'E, 480 m).
- Xinjiangsha lyciaensis* Stekolnikov & Daniel, 2012: 16**—Holotype larva (ZISP, 8088, T-Tr.-46), ex *Chionomys nivalis*, Antalya Prov., 6 km SWW from Kizlarsivrisi Mt, Turkey.
- Xinjiangsha rychliki* Kalúz & Kováčik, 2012: 80**—Holotype larva (SNMB), Sakarya Province, South from Sapanca lake, Sapanca env., Turkey (40°40'34"N, 30°15'13"E).
- Xinjiangsha stekolnikovi* Kalúz & Kováčik, 2012: 83**—Holotype larva (SNMB) Caucasus Mts., Elbrus Mt., Baksan valley, Tynryauz env., Caucasus (43°26'N, 42°58'E).
- Neotrombicula kizlarsivrisiensis* Stekolnikov & Daniel, 2012: 53**—Holotype larva (ZISP, 7991, T-Tr.-49), ex *Chionomys nivalis*, Antalya Prov., 6 km SWW from Kizlarsivrisi Mt, Turkey.
- Neotrombicula kolebinovae* Stekolnikov & Daniel, 2012: 57**—Holotype larva (ZISP, 7981, T-Tr.-50), ex *Chionomys nivalis*, Antalya Prov., 6 km SWW from Kizlarsivrisi Mt, Turkey.
- Neotrombicula bolkarensis* Stekolnikov & Daniel, 2012: 60**—Holotype (ZISP, 7810, T-Tr.-51), ex *Microtus schidlovskii*, Mersin Prov., 12 km NW from Çamlıyayla (Namrun), Turkey.
- Miyatrombicula attaliaensis* Stekolnikov & Daniel, 2012: 67**—Holotype (ZISP, 8116, T-Tr.-52), ex *Apodemus witherbyi*, Antalya Prov., 2 km E from Avlan Lake, Turkey.

Superfamily **Trombidoidea** (9 species)

Family **Achaemenothrombiidae** (1 species)

- Achaemenothrombium cyrusi* Saboori, Wohltmann & Hakimitabar, 2010: 19**—Holotype larva (UTKI, ARS-20100224-1a), ectoparasitic on *Catocala* sp. (Lepidoptera: Noctuidae) from Roodbar Ghasran village, Tehran, Iran.

Family **Neothrombiidae** (2 species)

- Solistrus mitrae* Saboori, Ueckermann & Harten, 2008: 24**—Holotype larva (UTKI, ARS-20080126-1a), in a light trap, in Al Kowd, Iran (13°05'N, 45°22'E, 20 m).
- Neosilphitrombium tenebrionidum* Saboori, Hajiqanbar & Hakimitabar, 2011: 61**—Holotype larva (UTKI, ARS-20100420-1a), ectoparasitic on *Opatroides punctatus* Brullé, 1832 (Coleoptera: Tenebrionidae), Haft Howz, Mashhad city, Razavi Khorasan province, Northeastern Iran (36°22'N, 59°59'E, 1177 m).

Family **Microtrombidiidae** (3 species)

- Persianthrombium farajii* Sedghi, Saboori & Hakimitabar, 2010: 62**—Holotype larva (UTKI, ARS-20090502-1a), ectoparasitic on *Locusta* sp. (Orthoptera: Acrididae) (on mesonotum and metanotum (near the base of wings) of three grasshoppers), Moorchegui village, Jahrom city, Fars Province, Iran (28°48.736'N, 53°14.190'E, 1912 m).
- Valgothrombium mariae* Mağol & Łaydanowicz, 2010: 18**—Holotype larva (ZIZMUH), rotten wood from a tree trunk, *Alnus incana* - *Ulmus glabra* woodland, ad Skjolden, Norway (61°29'25"N, 7°34'25"E, 50 m).
- Willungella rufusanus* Seeman & Palmer, 2011: 23**—Holotype larva (TMAG), from *Apteropanorpa tasmanica*, Mt Rufus, Tasmania, Australia.

Family **Trombidiidae** (3 species)

- Cicaditrombium weni* Saboori & Lazarboni, 2008: 53**—Holotype larva (UTKI, ARS-20071117-1a), ectoparasitic on *Cicadatra ochreate* Melichar (Homoptera: Cicadidae) on *Cirsium arvensis*, in Astaneh city, Markazi province, Iran (33°53'N, 49°21'E).
- Dolichothrombium anatoliae* Mağol & Sevsay, 2011: 3**—Holotype female (ZMH, Acc. No. A16/11), humid meadow with copses, close to the stream, Caglayan near Erzincan, Turkey (39°35'11.57"N, 39°41'51.03"E, 1266 m).
- Trombidium barooghi* Saboori & Irani-Nejad, 2007: 64**—Holotype larva (UTKI, ARS-20061111-1a), free-living on soil, in Tickmadash, Mianeh City, East Azarbaijan province, Iran.

Superfamily **Hydrachnoidea** (1 species)

Family **Hydrachnidae** (1 species)

- Hydrachna sistanica* Pešić, Smit & Saboori, 2012: 7**—Holotype male (RMNH), Sistan va Baluchestan Province, IR5-2011, Gerdoig village N of Chabahar, 5 km of Koch village, pool, Iran (25°46.084 N, 60°54.968 E).

Superfamily **Hydryphantoidea** (9 species)

Family **Hydryphantidae** (2 species)

- Amerothyasella tiunovae* Semenchenko, 2010: 53**—Holotype female (IBSS, 407-kas), substrates: boulders, stones,

pebbles, detritus, depth up to 50 cm, small brook on the sea coast of the Strait of Tartary, Cape of Lazarev, Nikolaevsky District, Khabarovsk Territory, Russia (52°14.390'N, 141°21.749'E).

Iranothyas alhajarica Pešić, Gerecke & Smit, 2009: 62—Holotype male (ZMAN), spring Al Khremh, Al Hajar mountains, crossing road to United Arab Emirates border, Oman (24°47.421'N, 55°56.503'E)

Family **Hydrodromidae** (6 species)

Hydrodroma australis Pešić & Smit, 2007: 35—Holotype male (WAM), Moore River, at crossing with Brandt's Highway, Regans Ford, Western Australia, Australia (31°21'S, 115°29'E).

Hydrodroma bruneiensis Pešić, Chatterjee, Marshall & Pavićević, 2011: 51—Holotype male (MNHP), freshwater pond (approx 625 m²) with fringing vegetation, Universiti Brunei Darussalam, Gadong, Brunei Darussalam (4°58' N, 114°53' E).

Hydrodroma cooki Pešić & Smit, 2007: 43—Holotype male (NTM), Jabiru NP, Jabiru, Northern Territory, Australia (12°40.264S, 132°50.436E).

Hydrodroma kakadu Pešić & Smit, 2007: 38—Holotype male (NTM), Plunge Pool Gunlom Falls, Kakadu NP, Northern Territory, Australia (13°25.17S, 132°24.989E).

Hydrodroma kununurra Pešić & Smit, 2007: 32—Holotype male (WAM), Lake Kununurra, 10 km southeast of Kununurra, Western Australia, Australia (15°48S, 128°44E).

Hydrodroma wilesi Pešić & Smit, 2007: 42—Holotype female (NTM), Helocrene near Gunlom Plunge Pool, Kakadu National Park, Northern Territory, Australia (13°25.17S, 132°24.989E).

Family **Teratothyadidae** (1 species)

Teratothyasides scutulatus Smit & Pešić, 2009 in Smit, Pešić & Mary-Sasal, 2009: 48—Holotype male (MNHN), Mro oua Chirini (Soulou River), Mayotte, Comoros (12°46'40,26"S, 45°6'15,16" E).

Superfamily **Lebertioidea** (67 species)

Family **Sperchontidae** (10 species)

Sperchon bakeri Pešić & Panesar, 2009: 2—Holotype female (NHMB), with layers of moss from rockface, near bridge over side brook, road to Leh, 4 km north of Keylong, Lahaul, Himachal Pradesh State, India (3300 m).

Sperchon himalayus Pešić & Smit, 2007: 46—Holotype female (ZMAN), Dochu La, Bhutan (2800 m).

Sperchon schwoerbeli Pešić & Panesar, 2009: 2—Holotype female (NHMB), with layers of moss from rockface, near bridge over side brook, road to Leh, 4 km north of Keylong, Lahaul, Himachal Pradesh State, India.

Sperchon (Hispidosperchon) beijingensis Zhang & Jin, 2010: 15—Holotype male (GUGC), unnamed stream, Beijing City, P. R. China (N35°51'41", E104°11'43").

Sperchon (Hispidosperchon) heteropoda Zhang & Jin, 2010: 20—Holotype male (GUGC), unnamed stream, Sanchahe village, Xishui City, Guizhou Province, P. R. China (N28°44'56", E106°40'52").

Sperchon (Hispidosperchon) huangshanensis Zhang & Jin, 2010: 22—Holotype male (GUGC), moss of the mountain stream, Fuxi scenic area, Zhaixi village, Tangkou towns, Huangshan City, Anhui Province, P. R. China (N30°04'17", E118°09'26").

Sperchon (Hispidosperchon) nevelskoi Tuzovskij & Semenchenko, 2009: 2—Holotype male (IBSS, 244-kas), the Pey Khoy River, the Amur River basin, Ul'chsky District, Khabarovsk Territory, Russia.

Sperchon (Hispidosperchon) oezkani Esen, Pešić & Erman, 2010: 37—Holotype male (FUET), Erdemler stream, Pütürge, Malatya Province, Turkey (38°10'50"N, 38°58'18"E, 1950 m).

Sperchon (Hispidosperchon) pelopeius Pešić & Gerecke, 2010 in Pešić, Smit, Gerecke & Di Sabatino, 2010: 19—Holotype female (NHMB), rheocrene near Mazi, Planiteron, Aroánia, GR70 Achaia, Greece (22°17'E, 37°54'N, 1200 m).

Sperchon (Sperchon) ayıldizi Esen, Pešić & Erman, 2010: 41—Holotype male (FUET), spring, Bingöl Mountains, Karliova, Bingöl Province, Turkey (39°21'18"N, 41°08'29"E, 3000 m).

Family **Teutonidae** (1 species)

Teutonia (Subteutonia) minor Tuzovskij & Semenchenko, 2009: 5—Holotype male (IBSS, 228-kas), substrates: pebbles, mediumgrained sand, detritus, depth 10–30 cm, the Konny spring, the Arsenyevka River basin, Anuchinsky District, Primory Territory, Russia (43°41.093'N, 133°59.927'E).

Family **Lebertiidae** (1 species)

Lebertia (Mixolebertia) sokolowi Tuzovskij & Semenchenko, 2009: 10—Holotype male (IBSS, 236-kas), the Sushchevsky Kluch River, the Amur River basin, Ul'chsky District, Khabarovsk Territory, Russia.

Family **Anisitsiellidae** (27 species)

Nilotonia (Cookonia) anjzorobe Goldschmidt, 2008: 50—Holotype male (NHRS), Rivière Ampanakamonty near campsite, Ravoandrina, Anjzorobe (Antananarivo), Madagascar (1280 m).

- Nilotonia (Cookonia) avomonina* Goldschmidt, 2008: 56—Holotype female (NHRS), upper spring, spring area exposition south-east (drainage Rivière Mahiavona), Mont Ambohimirandrana, Reserve Manjakatempo, Ankaratra (Antananarivo), Madagascar (2350 m).
- Nilotonia (Dartia) lii* Yi, Jin & Guo, 2009: 51—Holotype male (GUGC), Luyashan National Nature Reserve, Shanxi Province, P. R. China (111°50"–112°05"E, 38°35"–38°45"N).
- Nilotonia (Dartiella) ivelany* Goldschmidt, 2008: 8—Holotype male (NHRS), spring area exposition south-east, drainage Rivière Ambodimangavo, Montagne Arirana, Reserve Manjakatempo, Ankaratra (Antananarivo), Madagascar (2200 m).
- Nilotonia (Dartiella) onilahy* Goldschmidt, 2008: 14—Holotype male (NHRS), rheocrenes west school complex, Ambohimahavelona (Tulear), Madagascar (50 m).
- Nilotonia (Dartonia) nifymanana* Goldschmidt, 2008: 21—Holotype female (NHRS), pool, first left tributary of Rivière Ionilahy upstream railroad bridge to Manakara, Madagascar (200 m).
- Nilotonia* (c.f. *Nilotonia*) Goldschmidt, 2008: 48—Holotype deutonymph (NHRS), spring in primary forest exposition west, Vodraindry, Ionilahy (Fianarantsoa), Madagascar (400 m).
- Nilotonia (Dartiella) hormozgana* Pešić, Smit & Saboori, 2012: 15—Holotype male (RMNH), Hormozgan Province, IR16-2011, shallow stream N of Bandar Abbass, Iran (27° 27.622N, 56° 20.590E).
- Nilotonia (Telotaolana) ankaratra* Goldschmidt, 2008: 29—Holotype male (NHRS), riparian spring, exposition south-east at spring brook north deviation to Analamitana, Reserve Manjakatempo, Ankaratra (Antananarivo), Madagascar (1850 m).
- Nilotonia (Telotaolana) hodivaventy* Goldschmidt, 2008: 35—Holotype male (NHRS), spring area south pass RIP 118 (km 36), Isaka, Andohahela (Tulear), Madagascar (700 m).
- Nilotonia (Telotaolana) kiraro* Goldschmidt, 2008: 38—Holotype female (NHRS), spring brook, 0.5 km south-east from the 1.07 km-railway-tunnel, Andrambovato (Fianarantsoa), Madagascar (900 m).
- Nilotonia (Telotaolana) longipalpis* Goldschmidt, 2008: 40—Holotype male (NHRS), spring area exposition south-east (drainage Rivière Ambodimangavo), Mont Arirana, Reserve Manjakatempo, Ankaratra (Antananarivo), Madagascar (2200 m).
- Bitabulata kelycoxae* Goldschmidt, 2008: 77—Holotype female (NHRS), riparian springs at right border of Rivière Antomboka downstream sacred cascade, Joffreville (Montagne d'Ambre, Antsiranana), Madagascar (1000 m).
- Bitabulata paoma* Goldschmidt, 2008: 82—Holotype male (NHRS), Rivière Ampanakamonty near campsite, Ravoandrina, Anjozorobe (Antananarivo), Madagascar (1280 m).
- Bitabulata sagai* Goldschmidt, 2008: 85—Holotype male (NHRS), spring area exposition south-east (drainage Rivière Ambodimangavo), Montagne Arirana, Reserve Manjakatempo, Ankaratra (Antananarivo), Madagascar (2200 m).
- Platymamersopsis comoros* Smit & Pešić, 2009 in Smit, Pešić & Mary-Sasal, 2009: 48—Holotype male (MNHN), downstream, Mro oua Dembéni (Dembeni River), Mayotte, Comoros (12°50'33.97"S, 45°10'20.68"E).
- Platymamersopsis (Lavorona) pinocchio* Goldschmidt, 2008: 109—Holotype female (NHRS), Rivière Andranamalaza, Maromandia (Majunga), Madagascar (70 m).
- Platymamersopsis (Lavorona) volovitsy* Goldschmidt, 2008: 114—Holotype female (NHRS), left tributary Rivière de Manques in Reserve Fontenay, Joffreville (Montagne d'Ambre, Antsiranana), Madagascar (600 m).
- Platymamersopsis* (s. str.) *angulatus* Goldschmidt, 2008: 89—Holotype male (NHRS), right tributary of Rivière Fandramanana, spring brook 2, Marofototra (Antalaha, Antsiranana), Madagascar (120 m).
- Platymamersopsis* (s. str.) *davecooki* Goldschmidt, 2008: 98—Holotype male (NHRS), riffle, Rivière de Manques in Reserve Fontenay, Joffreville (Montagne d'Ambre, Antsiranana), Madagascar (730 m).
- Platymamersopsis* (s. str.) *loharano* Goldschmidt, 2008: 93—Holotype female (NHRS), spring area south pass RIP 118 (km 36), Isaka, Andohahela (Tulear), Madagascar (700 m).
- Platymamersopsis* (s. str.) *palustris* Goldschmidt, 2008: 103—Holotype male (NHRS), swamp with Sphagnum at left border of Rivière Amendano (1 km downstream road bridge), Mandena (QMM area), Fort Dauphin (Tulear), Madagascar (10 m).
- Platymamersopsis* (s. str.) *spinalis* Goldschmidt, 2008: 106—Holotype female (NHRS), lake (formed by Rivière Antanrantsa), Tsimelahy (Tulear), Madagascar (200 m).
- Platymamersopsis* (s. str.) *voanjo* Goldschmidt, 2008: 95—Holotype female (NHRS), riffle, Rivière Amendano 0.5 km upstream road bridge, Mandena (QMM area), Fort Dauphin (Tulear), Madagascar (12 m).
- Rutacarus annae* Valdecasas, 2008: 66—Holotype female (MNCN), immediately above waterfall, Rio Escondido, Coiba Island, Panama.
- Sotropalpus mangae* Goldschmidt, 2008: 70—Holotype male (NHRS), spring brook, 0.5 km south-east from the 1.07 km-railway-tunnel, Andrambovato (Fianarantsoa), Madagascar (900 m).

Family **Torrenticolidae** (29 species)

- Monatractides (Monatractides) polyapillatus* Pešić & Smit, 2012: 12—Holotype male (QM), Double Barrel Creek, Babinda, Queensland, Australia (17°20.852S, 145°53.075E)
- Monatractides (Monatractides) harveyi* Pešić & Smit, 2012: 17—Holotype male (NTM), Northern Territory, Barramundie Creek, downstream of Plunge Pool, Kakadu NP, Australia (13°19.036S, 132°26.279E).
- Monatractides (Monatractides) fontinalis* Pešić & Smit, 2012: 20—Holotype male (NTM), Northern Territory, small springs 4 km W of Jim Jim Falls, Kakadu NP, Australia.
- Monatractides (Monatractides) ironicus* Pešić & Smit, 2012: 15—Holotype male (QM), Queensland, Gordon Creek, Iron Range NP, Australia.
- Monatractides abepurus* Pešić & Smit, 2011: 51—Holotype female (ZMAN), River Kamp Walker near Uncen, Abepura, Papua Province, New Guinea, Indonesia (2°34.202S, 140°38.886E, 144 m).
- Monatractides alticolus* Pešić & Smit, 2011: 55—Holotype male (ZMAN), Bion River, upstream, Pass Valley, Papua Province, New Guinea, Indonesia (3°51.84S, 139°05.733E, 1962 m).
- Monatractides bionus* Pešić & Smit, 2011: 46—Holotype male (ZMAN), Bion River, upstream, Pass Valley, Papua Province, New Guinea, Indonesia (3°51.84S, 139°05.733E, 1962 m).
- Monatractides cameronensis* Pešić & Smit, 2010: 26—Holotype male (ZMAN), stream crossing road to Ringlet, Cameron Highlands, Malaysia (4°22.212N, 101°21.522E, 1011 m).
- Monatractides gledhilli* Pešić & Smit, 2009: 17—Holotype male (ZMAN), Doi Chiang Dao, Pong Creek crossing road to Muang Kong, Thailand (19°24.774N, 98°55.127E, 477 m).
- Monatractides humilis* Pešić & Smit, 2011: 58—Holotype male (ZMAN), River Pos 7, Sentani, Papua Province, New Guinea, Indonesia (2°33.740S, 140°30.784E, 103 m).
- Monatractides (Monatractides) martini* Pešić, Smit & Saboori, 2012: 23—Holotype male (RMNH), Hormozgan Province, Bandar Abbass, IR21-2011, Rudan stream 5 km N of Rudan, lotic part, Iran (27° 28.226N, 57° 15.153E).
- Monatractides (Monatractides) magnus* Pešić & Smit, 2012: 50 —Holotype male (RMNH), New Guinea, West Papua province: stream ca. 3 km S of Mokwam, Indonesia (1°05.877S, 133° 54.223E).
- Monatractides (Monatractides) neoaustralicus* Pešić & Smit, 2012: 52—Holotype male (RMNH), New Guinea, West Papua province: stream ca. 3 km S of Mokwam, Indonesia (1°05.877S, 133°54.223E).
- Monatractides (Monatractides) rivulus* Pešić & Smit, 2012: 52—Holotype male (RMNH), New Guinea, West Papua province, small stream ca. 2.5 km S of Mokwam, Indonesia (1°05.881S, 133° 54.272E).
- Monatractides nipsanicus* Pešić & Smit, 2011: 43—Holotype male (ZMAN), Wao & Pao streams near confluence, Walmak, Nipsan district, Papua Province, New Guinea, Indonesia (4°07.097, S 139°38.520E, 1739 m).
- Monatractides novaeguineae* Pešić & Smit, 2011: 41—Holotype male (ZMAN), stream near Kampung Kleublouw between Jayapura and Sentani, Papua Province, New Guinea, Indonesia (2°35.249S, 140°35.187E, 82 m).
- Monatractides papuensis* Pešić & Smit, 2011: 43—Holotype male (ZMAN), Bion River, upstream, Pass Valley, Papua Province, New Guinea, Indonesia (3°51.294S, 139°05.733E, 1962 m).
- Monatractides sahuli* Pešić & Smit, 2011: 53—Holotype male (ZMAN), unnamed creek crossing road to Pass Valley, Papua Province, New Guinea, Indonesia (3°52.849 S, 139°04.194E, 2253 m).
- Monatractides sentanicus* Pešić & Smit, 2011: 48—Holotype male (ZMAN), River Pos 7, Sentani, Papua Province, New Guinea, Indonesia (2°33.740S, 140°30.784E, 103 m).
- Neotractides (Allotorrenticola) calidus* Pešić, Smit & Saboori, 2012: 26—Holotype female (RMNH), Hormozgan Province, IR19-2011, Banglayan village N of Bandar Abbass, unnamed stream, Iran (27° 45.695N, 56° 32.402E).
- Torrenticola (Torrenticola) bhutana* Pešić & Smit, 2007: 50—Holotype male (ZMAN), Pele La, Bhutan (3200 m).
- Torrenticola haliki* Pešić & Smit, 2010: 22—Holotype male (ZMAN), unnamed creek crossing Road 55 to Kuala Kubu Bharu, Malaysia (3°40.511N, 101°44.511E, 823 m).
- Torrenticola (Torrenticola) hormozganensis* Pešić, Smit & Saboori, 2012: 20—Holotype male (RMNH), Hormozgan Province, IR19-2011, Banglayan village N of Bandar Abbass, unnamed stream, Iran (27° 45.695N, 56° 32.402E).
- Torrenticola laskai* Di Sabatino, 2009 in Di Sabatino, Gerecke, Gledhill & Smit, 2009: 27—Holotype male (SMF), Ponte Vecchio, F. Porto, Vico, Corse (2B) Ajaccio, France (08°46E, 42°15N, 230 m).
- Torrenticola siamis* Pešić & Smit, 2009: 45—Holotype male (ZMAN), Doi Chiang Dao, Pong Creek crossing road to Muang Kong, Thailand (19°24.774N, 98°55.127E, 477 m).
- Torrenticola thailandicus* Pešić & Smit, 2009: 47—Holotype male (ZMAN), Chiang Dao NP, fast flowing stream crossing road to Den Ya Kat Station, Thailand (19°19.735N, 98°56.201E, 410 m).
- Torrenticola wilesi* Pešić & Smit, 2009: 57—Holotype female (ZMAN), fast flowing stream crossing road to Den Ya Kat Station, Chiang Dao NP, Thailand (19°19.735N, 98°56.201E, 410 m).

- Torrenticola (Megapalpis) asadiae* Pešić, Smit & Saboori, 2012: 18—Holotype female (RMNH), Hormozgan Province, IR19-2011, Banglayan village N of Bandar Abbass, unnamed stream, Iran (27° 45.695N, 56° 32.402E).
- Torrenticola lukai* Pešić, Valdecasas & García-Jimenez, 2012: 40—Holotype male (NHMB), stream, Mrtvica near village Velje Duboko, Montenegro (42°46'47"N, 19°16'56"E).
- Superfamily **Hygrobatoidea** (107 species)
Family **Pontarachnidae** (2 species)
- Litarachna bruneiensis* Pešić, Chatterjee, Marshall & Pavičević, 2011: 55—Holotype male (MNHP), mud flat and mangroves, Sangai Brunei Estuary and Bay, Kota Batu, Brunei Darussalam (4°56'N, 115°1'E).
- Pontarachna nemethi* Pešić, Chatterjee & Schizas, 2012: 64—Holotype male (NHMB), El Seco east of Vieques Island, Puerto Rico (18°7.331N; 65°11.605W).
- Family **Limnesiidae** (6 species)
- Limnesia (Limneisa) diploseta* Yi & Jin, 2009: 22—Holotype male (GUGC), Hulan River, Yichun City, Heilongjiang Province, P. R. China.
- Limnesia (Limnesia) hirtigenitalia* Yi & Jin, 2009: 24—Holotype male (GUGC), pool, Yingjiang County, Yunnan Province, P. R. China (1300 m).
- Limnesia (Limnesia) megaseta* Yi & Jin, 2009: 29—Holotype male (GUGC), Hulan River, Yichun City, Heilongjiang Province, P. R. China.
- Limnesia (Limnesia) turgeotrochanter* Yi & Jin, 2009: 33—Holotype male (GUGC), stream, Wulabo County, Wulumuqi City, Xinjiang Province, P. R. China.
- Limnesia (Halolimnesia) diversipe* Pešić, Smit & Saboori, 2012: 30—Holotype male (RMNH), Hormozgan Province, IR15-2011, Khorgoo village N of Bandar Abbass, upstream hot water spring, small saline pool near IR14-2011, Iran (27°29.155N, 56°27.531E).
- Orientilimnesia sinica* Yi & Jin, 2009 in Yi, Jin, Guo & Zhang, 2009: 29—Holotype male (GUGC), stream, Wuyishan National Nature Reserve, Fujian Province, P. R. China (117°27"–117°51"E, 27°35"–27°54"N).
- Family **Hygrobatidae** (36 species)
- Atractides acetabulensis* Pešić & Panesar, 2009: 9—Holotype male (NHMB), with layers of moss from rockface, near bridge over side brook, road to Leh, 4 km north of Keylong, Lahaul, Himachal Pradesh State, India (3300 m).
- Atractides angelieri* Pešić, Smit & Gerecke, 2012: 63—Holotype female (RMNH), F146, dept. Ardèche, River La Drobie NW of Ribes, France (44°32'256"N, 4°03'364"E).
- Atractides capensis* Pešić, Smit & Gerecke, 2011: 37—Holotype female (BMSA), 10 m wide, rocks & sand, some algae, clear, S of Barrydale, S side near summit of Tradouws Pass, DC 104 84 unnamed stream on Rt 324, Western Cape province, South Africa.
- Atractides comorosensis* Smit & Pešić, 2009 in Smit, Pešić & Mary-Sasal, 2009: 53—Holotype female (MNHN), Mro oua Longoni (Longoni River), Mayotte, Comoros (12°44'21,12"S, 45°9'54,97"E).
- Atractides cooki* Pešić, Smit & Gerecke, 2011: 26—Holotype male (BMSA), 2–3 m wide, rocks, sand & detritus, stained, branch of the Hoekraal River (E of main river) near Karatara (NW of Krysna), Eastern Cape province, South Africa.
- Atractides davecooki* Pešić & Panesar, 2009: 13—Holotype male (NHMB), with trickled down mosses from wall of rock, near bridge over side brook, road to Leh, 11 km north of Keylong, Lahaul, Himachal Pradesh State, India (3300 m).
- Atractides dracomontanus* Pešić, Smit & Gerecke, 2011: 29—Holotype female (BMSA), Drakensbergen, Lotheni, SA 15 Bhoola stream near confluence with Lotheni River, KwaZulu-Natal province, South Africa (29°27.725S, 29° 32.124E, 1411 m).
- Atractides gorgani* Pešić, Jabaleh & Saboori, 2009 in Pešić, Jabaleh, Saboori, Askarianzadeh & Asadi, 2009: 56—Holotype female (MNHP), Hashan River near Qarn Abad village, Jeline Bala City, Golestan Province, Iran (36°48'17.6"N, 54°37'37.02"E, 500 m).
- Atractides himachali* Pešić & Panesar, 2009: 8—Holotype male (NHMB), spring and springbrook, 13 km north of Keylong, Lahaul, Himachal Pradesh State, India (3300 m).
- Atractides (Atractides) hormozganus* Pešić, Smit & Saboori, 2012: 36—Holotype male (RMNH), Hormozgan Province, IR21-2011, Rudan City N of Bandar Abbass, 5 km N of Rudan, Rudan stream, lotic part, Iran (27° 28.226 N, 57° 15.153 E)
- Atractides hyrcaniensis* Pešić, Jabaleh & Saboori, 2009 in Pešić, Jabaleh, Saboori, Askarianzadeh & Asadi, 2009: 59—Holotype male (MNHP), ca. 15 km E from Gorgan, Sorkhankalate, Golestan Province, Iran.
- Atractides lahauli* Pešić & Panesar, 2009: 12—Holotype male (NHMB), with trickled down mosses from wall of rock, near bridge over side brook, road to Leh, 11 km north of Keylong, Lahaul, Himachal Pradesh State, India (3300 m).

- Atractides marsus* Pešić, Smit & Gerecke, 2012: 61—Holotype female (RMNH), F135, dept. Cantal, Auvergne, River Le Mars at crossing with D12 upstream of Le Falgoux, France (45° 07'616"N, 2° 38'623"E)
- Atractides meridianus* Pešić, Smit & Gerecke, 2011: 34—Holotype male (BMSA), Cederberg Wilderness Area, SA 1 Rondgat River at Algeria, Western Cape province, South Africa (32°22.491S, 19°03.742E, 490 m).
- Atractides neoscutifer* Pešić, Smit & Gerecke, 2011: 42—Holotype female (BMSA), 20 m wide, rocks, stained, NW of Swellendam, unnamed stream on Rt. 60, DC 106 84, Western Cape province, South Africa.
- Atractides panesari* Pešić & Ranga Reddy, 2009: 23—Holotype female (MNHP), hyporheic zone, Mandakini River (a tributary of the Alaknanda River) at Syalsoud, Uttarakhand State, India (30°25'60"N, 79°04'16"E, 866 m).
- Atractides (Atractides) anatolicus* Pešić, Erman & Esen, 2010: 21—Holotype male (NHMB), stream in Kuruca village, Bingöl Province, Turkey (38°57'24"N, 40°14'47"E, 1550 m).
- Atractides (Atractides) cameronensis* Pešić & Smit, 2010: 32—Holotype male (ZMAN), stream crossing Mt. Brinchang Road, Cameron Highlands, Malaysia (4°31.458N, 101°23.353E, 1860 m).
- Atractides (Atractides) ildicus* Tuzovskij, 2011: 50—Holotype female (IBIW, slide 8858), the river bottom: stones, pebbles and sand, depth 0.3–0.5 m, Ild stream near village Mar'ino, Nekouz District, Yaroslavl Province, Russia.
- Atractides (Atractides) komarovkaensis* Tuzovskij, 2011: 53—Holotype female (IBIW, slide 4951), the Komarovka River, Ussuri National Park, Dalnegorsk District, Primory Territory, Far East, Russia.
- Atractides (Atractides) malayensis* Pešić & Smit, 2009: 10—Holotype male (ZMAN), unnamed creek crossing Girdle Road, Fraser's Hill, Malaysia (3°42.943N, 101°44.039E, 1260 m).
- Atractides (Atractides) martini* Pešić, Erman & Esen, 2010: 25—Holotype male (NHMB), Sırlı stream, Ilica, Erzurum Province, Turkey (40°14'39"N, 41°07'00"E, 2200 m).
- Atractides (Atractides) siamis* Pešić & Smit, 2009: 2—Holotype male (ZMAN), Jerian stream, Fraser's Hill, Malaysia (3°43.479N, 101°42.935E, 1011 m).
- Atractides (Atractides) stankovici* Pešić & Gerecke, 2010 in Pešić, Smit, Gerecke & Di Sabatino, 2010: 45—Holotype male (SMF 4974), Stobrec, Croatia.
- Atractides (Atractides) tahanensis* Pešić & Smit, 2009: 12—Holotype male (ZMAN), Tahan River, Taman Negara NP, Malaysia (4°23.534N, 102°23.961E, 90 m).
- Atractides (Polymegapus) persicus* Pešić & Asadi, 2010: 48—Holotype male (NHMB), Gholgholoo spring, Jiroft city area, Kerman Province, Iran.
- Atractides (Atractides) primoryensis* Tuzovskij, 2011: 56—Holotype female (IBIW, slide 6308), Razdolnaya River, Otyabrsky District, Primorie Territory, Russia.
- Atractides (Atractides) yaroslavlensis* Tuzovskij, 2011: 42—Holotype female (IBIW, slide 9029), substrates: stones, sand and mosses, depth 0.3–0.5 m, the Kamenka stream near the village of Sit'–Pokrovskoe, Breitovo District, Yaroslavl Province, Russia.
- Atractides (Tympanomegapus) sulawesiensis* Pešić & Smit, 2009: 27—Holotype female (ZMAN), Dumoga-Bone NP, at park headquarters, S. Tumokang, Sulawesi Utara, Indonesia.
- Declinobates tasmanicus* Smit, 2009: 62—Holotype female (TMAG), Lake Chisholme, Lake Chisholme Forest Reserve, Tasmania, Australia (41°07.937S, 145°03.952E, 378 m).
- Ioannibates papillosus* Smit, 2009: 64—Holotype male (WAM), St. John's Brook, St. John's Brook Conservation Park, Western Australia, Australia (33°57'27.83"S, 115°41'0.40"E).
- Iranobates hesabii* Pešić, Smit & Asadi, 2011 in Pešić, Smit, Asadi & Etemadi, 2011: 23—Holotype female (ZMAN), pool in stream, Aseminon near Manoojan city, Kerman Province, Iran (30°34'2"N, 53°49'01"E, 674 m).
- Mixobates amurensis* Tuzovskij & Semenchenko, 2009: 14—Holotype male (IBSS, 131-kas), substrates: stones, depth 20–35 cm, the Bolshoy Madalan River, the Amur River basin, Skovorodinsky District, Amurskaya Province, Russia (54°03.433'N, 123°23.378'E).
- Tasmanobates separatus* Pešić & Smit, 2009: 54—Holotype female (TMAG, G5893), stony bottom without vegetation, Franklin River, Franklin Gordon Wild Rivers National Park, Tasmania, Australia (42°12.928'S, 146°01.212'E, 409 m).
- Procorticacarus karanovici* Pešić & Smit, 2009: 55—Holotype female (TMAG, G5894), stony bottom, Apsley River just before the entrance into Douglas-Apsley National Park, N of Bicheno, Tasmania, Australia (41°51.614'S, 148°14.389'E, 49 m).
- Pseudoaustraliobates flindersi* Smit, 2009: 67—Holotype male (SAMA), Bunyeroo Creek at Bunyeroo Gorge, Flinders Ranges NP, South Australia, Australia (31°25'14.77"S, 138°34'14.39"E).

Family **Aturidae** (44 species)

- Abelaturus schwoerbeli* Pešić & Smit, 2010 in Pešić, Smit & Datry, 2010: 16—Holotype male (MNZ), Selwyn River near Old Bridge, South Island, New Zealand.

- Albaxona indica* Pešić & Ranga Reddy, 2009: 26—Holotype male (MNHP), tributary of the River Godavari, hyporheic zone of the River Yerrakaluva, Potavaram village, West Godavari District, Andhra Pradesh State, India (16°56'N, 81°24'E).
- Albia (Dentalbia) hyporheica* Pešić, Smit & Saboori, 2012: 56—Holotype male (RMNH), Hormozgan Province, IR22-2011, Rudan city N of Bandar Abbass, 5 km N of Rudan, Rudan stream, interstitial (pump), Iran (27°28.748'N, 57°15.648'E)
- Aturus indicus* Pešić & Panesar, 2009: 17—Holotype male (NHMB), 4 h trek from Naggar/Nishalla towards north, Karol Nala, IND' 95/122 Kullu Valley, Himachal Pradesh State, India (2200 m).
- Aturus insolitus* Semenchenko & Tuzovskij, 2011: 20—Holotype male (IBSS, 474-kas), substrate: cobbles, pebbles, coarse-and medium-grained sand, depth 30 cm below the sediment surface, Steklyanukha River, Artemovskiy Urban District, Primory Territory, Russia (43°21.027'N, 132°27.723'E).
- Aturus sikhotealinensis* Semenchenko & Tuzovskij, 2011: 7—Holotype male (IBSS, 199-kas), substrate: pebbles, medium-grained sand, depth 7 cm, spring Stradny, Sea of Japan basin, Sikhote-Alin State Nature Biosphere Reserve, Terneyskiy District, Primory Territory, Russia.
- Aturus similis* Semenchenko & Tuzovskij, 2011: 4—Holotype male (IBIW, 4919), substrate: pebbles, sand, depth 20–30 cm, Koma-rovka River, Ussuri National Nature Reserve, Primory Territory, Russia.
- Aturus triangularis* Semenchenko & Tuzovskij, 2011: 2—Holotype male (IBSS, 62-kas), substrate: boulders, cobbles, pebbles, depth 12–50 cm, Kedrovaya River, Sea of Japan basin, Kedrovaya Pad National Nature Biosphere Reserve, Khasanskiy District, Primory Territory, Russia (43°06.056'N, 131°33.310'E).
- Aturus polysetus* Semenchenko & Tuzovskij, 2011: 12—Holotype male (IBSS, 385-kas), substrate: cobbles, pebbles, medium-grained sand, depth 30 cm, unnamed spring, Sea of Okhotsk basin, Dolinskiy District, Sakhalin Area, Russia (47°11.415'N, 143°01.239'E).
- Aturus primoryensis* Semenchenko & Tuzovskij, 2011: 9—Holotype male (IBSS, 250-kas), substrate: cobbles, detritus, depth 10–15 cm, small spring near Veseloe, Arsenyevka River basin, Anuchinskiy District, Primory Territory, Russia (43°40.133'N, 133°00.428'E).
- Aturus pulcher* Semenchenko & Tuzovskij, 2011: 15—Holotype male (IBSS, 461-kas), substrate: boulders, cobbles, pebbles, fine-grained sand, depth 10–20 cm, flowing into the Kedrovaya River, Gorayskiy spring, Sea of Japan basin, Kedrovaya Pad National Nature Biosphere Reserve, Khasanskiy District, Primory Territory, Russia (43°06.015'N, 131°33.398'E).
- Axonopsis (Axonopsis) graeca* Pešić & Gerecke, 2010 in Pešić, Smit, Gerecke & Di Sabatino, 2010: 74—Holotype female (ZMAN), stream Mylopotamos, GR90 Lesbos, Greece.
- Axonopsis (Axonopsis) hyporheica* Pešić, Smit & Saboori, 2012: 52—Holotype male (RMNH), Hormozgan Province, IR22-2011, Rudan City N of Bandar Abbass, 5 km N of Rudan, Rudan stream, upstream, interstitial dig, Iran (27°28.748'N, 57°15.648'E).
- Axonopsis (Hexaxonopsis) gloeeri* Pešić, Smit & Saboori, 2012: 45—Holotype male (RMNH), Hormozgan Province, IR16-2011, shallow stream, N of Bandar Abbass, Iran (27°27.622'N, 56°20.590'E).
- Axonopsis (Hexaxonopsis) iranica* Pešić & Asadi, 2010: 49—Holotype male (NHMB), Kandoti dam, pool of stream, Manoojan City, Kerman Province, Iran (27°21'N, 57°42'E).
- Axonopsis (Hexaxonopsis) manoojani* Pešić & Asadi, 2010: 51—Holotype female (NHMB), pool of stream, Kandoti dam, Manoojan City, Kerman Province, Iran (27°21'N, 57°42'E).
- Axonopsis (Plesiobrachypoda) periyar* Pešić & Ranga Reddy, 2009: 29—Holotype male (MNHP), hyporheic zone, River Periyar near Kalady village, Kerala State, India (10°09.927'N, 76°26.750'E, 8 m).
- Axonopsis (Vicinaxonopsis) iranica* Pešić, Jabaleh & Saboori, 2009 in Pešić, Jabaleh, Saboori, Askarianzadeh & Asadi, 2009: 62—Holotype male (MNHP), Sarmo River near Mohamad Abad village, Fazel Abad City, Golestan Province, Iran (36°49'47.6"N, 54°47'35.35"E, 500 m).
- Barbaxonella bingolensis* Esen, Pešić & Erman, 2011: 37—Holotype male (FUET), Kale stream, Genç, Bingöl Province, Turkey (38°31'41"N, 40°32'40"E, 920 m).
- Canterburaturus cooki* Pešić & Smit, 2010 in Pešić, Smit & Datry, 2010: 24—Holotype male (MNZ), Selwyn River near Chamberlain's Ford, South Island, New Zealand.
- Canterburaturus minutus* Pešić & Smit, 2010 in Pešić, Smit & Datry, 2010: 20—Holotype female (MNZ), Selwyn River near Old Bridge Rd., South Island, New Zealand.
- Canterburaturus novaeseelandicus* Pešić & Smit, 2010 in Pešić, Smit & Datry, 2010: 21—Holotype female (MNZ), Selwyn River near Old Bridge, South Island, New Zealand.

- Colobaturus selwynus* Pešić & Smit, 2010 in Pešić, Smit & Datry, 2010: 6—Holotype male (MNZ), riffle, Selwyn River near Coalgate, South Island, New Zealand.
- Haloaxonopsis salina* Pešić, Smit & Saboori, 2012: 54—Holotype male (RMNH), Hormozgan Province, IR15-2011, Khorgoo village before hot water spring, Bandar Abbass, saline stream, Iran (27°29.347N, 56°27.802E)
- Javalbia (Javalbicula) turcica* Esen, Pešić & Erman, 2011: 33—Holotype male (FUET), stream, Masalla, Solhan, Bingöl Province, Turkey (38°57'44"N, 40°56'13"E, 1260 m).
- Javalbia (Javalbiopsis) persica* Pešić, Smit & Saboori, 2012: 41—Holotype male (RMNH), Hormozgan Province, IR21-2011, Rudan city N of Bandar Abbass, 5 km N of Rudan, Rudan stream, lotic part, Iran (27°28.226N, 57°15.153E).
- Kongsbergia appalachiana* Radwell & Smith, 2012: 22—Holotype male (CNC), from Turkey Creek beside Forest Road 35, 2.9 km northeast of road from Rt. 165 to Miller Chapel Church, Monroe Co., Tennessee, USA.
- Kongsbergia atkinsonae* Radwell & Smith, 2012: 26—Holotype male (CNC), from Laurel River beside Rt. 58 near boundary of Mount Rogers National Recreation Area, Damascus, Washington Co., Virginia, USA.
- Kongsbergia cooki* Radwell & Smith, 2012: 9—Holotype male (CNC), from Mountain Creek beside Rt. 26 between Dayville and Mitchell, Wheeler Co., Oregon, USA
- Kongsbergia crista* Radwell & Smith, 2012: 20—Holotype male (CNC), from Tellico River beside Forest Road 210, 1.8 km east of bridge at Bald River Falls, Monroe Co., Tennessee, USA.
- Kongsbergia crumpae* Radwell & Smith, 2012: 14—Holotype male (CNC), from Collier Creek below picnic area, Collier Spring Picnic Area beside Forest Road 177, Montgomery Co., Arkansas, USA.
- Kongsbergia humeralis* Radwell & Smith, 2012: 30—Holotype male (CNC), from Digdeguash River beside road from Digdeguash to Elmsville, Charlotte Co., New Brunswick, Canada.
- Kongsbergia floridana* Radwell & Smith, 2012: 35—Holotype male (CNC), from Sampson Creek beside Rt. 18, 0.5 miles west of Graham, Bradford Co., Florida, USA.
- Kongsbergia laurentiana* Radwell & Smith, 2012: 18—Holotype male (CNC), from Digdeguash River beside road from Digdeguash to Elmsville, Charlotte Co., New Brunswick, Canada.
- Kongsbergia setosa* Radwell & Smith, 2012: 16—Holotype male (CNC), from Papineau Creek at Maple Leaf, Hastings Co., Ontario, Canada.
- Kongsbergia texana* Radwell & Smith, 2012: 37—Holotype male (CNC), from Devils River, Bakers Crossing Campground off Rt. 163, 34 km north of Comstock, Val Verde Co., Texas, USA.
- Kongsbergia transversa* Radwell & Smith, 2012: 28—Holotype male (CNC), from Glenrock Branch Creek at Lower Glenrock Branch Picnic Area beside Natchez Trace Parkway, Natchez Trace Parkway National Park, Wayne Co., Tennessee, USA.
- Taintaturus rostratus* Pešić & Smit, 2010 in Pešić, Smit & Datry, 2010: 10—Holotype male (MNZ), Selwyn River near Coalgate, South Island, New Zealand.
- Taintaturus selwynus* Pešić & Smit, 2010 in Pešić, Smit & Datry, 2010: 8—Holotype male (MNZ), riffle, Selwyn River near Old Bridge, South Island, New Zealand.
- Taintaturus waikirikiri* Pešić & Smit, 2010 in Pešić, Smit & Datry, 2010: 13—Holotype male (MNZ), Selwyn River near Old Bridge, South Island, New Zealand.
- Vagabundia sci* Valdecasas, 2008: 43—Holotype male (MNCN), Rio Escondido, immediately above waterfall, Coiba Island, Panama.
- Woolastookia minuta* Pešić & Gerecke, 2010 in Pešić, Smit, Gerecke & Di Sabatino, 2010: 78—Holotype male (NHMB), Jahorina Mt., W Bare, Rijeka Čemernica, Bosnia and Hercegovina (43°46'N, 16°30'W, 1000 m).
- Zelandalbia longipalpis* Pešić & Smit, 2010 in Pešić, Smit & Datry, 2010: 30—Holotype male (MNZ), Selwyn River near Scotts, South Island, New Zealand.
- Ljania orientalis* Tuzovskij, 2012: 12—Holotype male (IBIW, 9641), Far East, Primory Territory, Ussuri National Park, Komarovka River, Russia.

Family **Feltriidae** (11 species)

- Feltria balneatoris* Pešić & Panesar, 2008: 18—Holotype male (NHMB), 25 min trek upstream of Kakhnal, waterfall with mosses, Kunoi Nala, IND' 95/43 Kullu Valley, Himachal Pradesh State, India (2000 m).
- Feltria gerecke* Pešić & Panesar, 2008: 20—Holotype male (NHMB), mosses, side channel near Nishalla-Nala, Village Nishalla, IND'96/14 Kullu-Valley, Himachal Pradesh State, India (1800 m).
- Feltria himachali* Pešić & Panesar, 2008: 14—Holotype male (NHMB), mosses/lotic, spring region, 8 h trek, Kunoi-Nala, Hermeli/spring area, IND' 95/154 Kullu-Valley, Himachal Pradesh State, India (3800 m).

- Feltria indica* Pešić & Panesar, 2008: 2—Holotype male (NHMB), mosses/lotic, spring region, 8 h trek, Kuno-Nala, Hermeli/spring area, IND' 95/154 Kullu-Valley, Himachal Pradesh State, India (3800 m).
- Feltria kulluis* Pešić & Panesar, 2008: 16—Holotype male (NHMB), mosses/lotic, spring region, 8 h trek, Kuno-Nala, Hermeli/spring area, IND' 95/154 Kullu-Valley, Himachal Pradesh State, India (3800 m).
- Feltria sanna* Pešić & Panesar, 2008: 20—Holotype male (NHMB), mosses in cascade, between Khaknal and Sujla (near Bridge), "P1" Kuno-Nala, IND' 95/236 Kullu-Valley, Himachal Pradesh State, India (1800 m).
- Feltria schwoerbeli* Pešić & Panesar, 2008: 8—Holotype male (NHMB), mosses/lentic from pool, spring region, 8 h trek, Kuno-Nala, Hermeli/spring area, IND' 95/152 Kullu-Valley, Himachal Pradesh State, India (3800 m).
- Feltria tuzovskyi* Pešić & Panesar, 2008: 4—Holotype male (NHMB), spring with mosses near Rotang pass, IND' 95/120 Kullu Valley, Himachal Pradesh State, India.
- Feltria (Feltria) aculeata* Tuzovskij & Semenchenko, 2009: 39—Holotype male (IBSS, 29-kas), substrates: stones, pebbles, depth 60 cm, the Axyan River, the Amur River basin, near road bridge, Komsomolsk-on-Amur – Nikolaevsk-on-Amur road, Komsomolsky District, Khabarovsk Territory, Russia (50°46.266'N, 138°05.471'E).
- Feltria (Feltria) orientalis* Tuzovskij & Semenchenko, 2009: 17—Holotype female (IBSS, 245-kas), substrates: stones, pebbles, medium-grained sand, depth 40 cm, the Bureya River, the Amur River basin, Chegdomynsky District, Khabarovsk Territory, Russia (51°06.036'N, 132°29.342'E).
- Feltria (Feltria) ussuriensis* Tuzovskij & Semenchenko, 2009: 42—Holotype female (IBIW, 9493), substrates: stones, pebbles, depth 18–30 cm, the Kedrovaya River, Sea of Japan basin, Kedrovaya Pad National Nature Biosphere Reserve, Khasansky District, Primory Territory, Russia (43°06.056'N, 131°33.310'E).

Family **Unionicolidae** (8 species)

- Unionicola (Downesatax) curvipalpis* Smit, 2008: 5—Holotype female (NTM), Home Billabong, Kakadu NP, Northern Territory, Australia.
- Unionicola (Downesatax) latiseta* Smit, 2008: 8—Holotype female (QM), Middle Claudie River, Iron Range NO, Queensland, Australia.
- Unionicola (Downesatax) longipalpis* Smit, 2008: 8—Holotype female (NTM), Lily Pond Falls, Katherine Gorge NP (= Nitmiluk NP), Northern Territory, Australia (14°18.801S, 132°28.326E).
- Unionicola (Geikienicola) insolita* Smit, 2008: 24—Holotype female (WAM), Geikie Gorge, western part, Geikie Gorge NP, Western Australia, Australia (18°7'23.92"S, 125° 39'42.47"E).
- Unionicola (Giselatax) uncatiseta* Smit, 2008: 12—Holotype male (WAM), Western part Deep Reach Pool, Millstream-Chichester NP, Western Australia, Australia.
- Unionicola (Giselatax) trisetica* Smit, 2008: 15—Holotype male (WAM), pool Valentine Springs, W of Kununurra, Western Australia, Australia.
- Unionicola (Kovietstax) crassisetata* Smit, 2008: 18—Holotype female (WAM), Geikie Gorge, western part, Geikie Gorge NP, Western Australia, Australia (18°7'23.92"S, 125°39'42.47"E).
- Unionicola (Vidrineatax) pilosa* Smit, 2008: 21—Holotype female (QM), Hann Crossing (stagnant), Lakefield NP, Queensland, Australia (14°45'57.30"S, 144°04'46.60"E).

Superfamily **Arrenuroidea** (39 species)

Family **Momoniidae** (1 species)

- Stygomomonium manchurica* Semenchenko, 2008: 39—Holotype male (IBSS, 01-kas), the Kedrovaya River, Kedrovaya Pad National Nature Biosphere Reserve, Khasansky District, Primory Territory, Russia (43°06'056"N, 131°33'310"E).

Family **Mideopsidae** (1 species)

- Guineaxonopsis tasmanica* Pešić & Smit, 2009: 59—Holotype male (TMAG G5895), gravel bottom with little or no vegetation, near Mole Creek, stream coming from cave, Marakoopa Cave, Tasmania, Australia (41°34.654'S, 146°17.245'E).

Family **Athienemanniidae** (1 species)

- Africasia comorosensis* Smit & Pešić, 2010 in Smit, Pešić & Mary-Sasal, 2010: 57—Holotype female (MNHN), downstream, Koual River, Mayotte, Comoros (12°48'19,5"S, 45°09'49,7"E).

Family **Chappuisididae** (1 species)

- Uchidastygacarus (Uchidastygacarus) primoryensis* Semenchenko, 2010: 57—Holotype female (IBSS, 351-kas), substrates: stones, pebbles, sand, depth about 1.2 m, the Tigrovaya River, the Partizanskay River basin, Partizansky District, Primory Territory, Russia (43°11.401'N, 133°12.660'E).

Family **Arrenuridae** (35 species)

- Arrenurus (Arrenurus) coronopetiolatus* Smit, 2012: 5—Holotype male (RMNH), from ditch along Okavango swamp at Drotsky's Camp, south of Shakawe, Botswana (18°25'24.2"S, 21°53'28.17"E).
- Arrenurus (Arrenurus) crenatiformis* Tuzovskij & Semenchenko, 2011: 5—Holotype male (IBIW, 9645), substrates: medium-grained sand, detritus, depth 50 cm, 2 km from Vasilyevka, Tom' River, Zeya River basin, Seryshevsky District, Amurskaya Area, Russia (5054.149°N, 12838.303°E).
- Arrenurus (Arrenurus) hebraeus* Tuzovskij & Semenchenko, 2011: 11—Holotype male (IBIW, 9643), substrates: stones, coarse-grained sand, depth up to 30 cm, 12 km from Preobrazhenovka, Ungun River, Bidghan River basin, Leninsky District, Jewish Autonomous Area, Russia (4806.200°N, 13203.629°E).
- Arrenurus (Arrenurus) hyalinus* Smit, 2010: 3—Holotype male (SAMA), The Deep Creek downstream of falls, Deep Creek Conservation Park, South Australia, Australia (35°38.582S, 138°13.868E).
- Arrenurus (Arrenurus) iranicus* Smit & Pešić, 2011 in Pešić, Smit, Asadi & Etemadi, 2011: 27—Holotype male (ZMAN), White spring 1, S of Saghuyeh village, Sarchahan zone, Bavanat City, Seistan Province, Iran.
- Arrenurus (Arrenurus) kermanensis* Pešić, Smit & Asadi, 2011 in Pešić, Smit, Asadi & Etemadi, 2011: 31—Holotype male (ZMAN), pool, Khabr near Baft City, Kerman Province, Iran.
- Arrenurus (Arrenurus) mucropetiolatus* Tuzovskij & Semenchenko, 2011: 2—Holotype male (IBIW, 9647), substrates: pebbles, medium-grained sand, detritus, depth 10–30 cm, Konny brook (left inflow of Arsenyevka River), Arsenyevka River basin, Anuchinsky District, Primory Territory, Russia (4341.093°N, 13359.927°E).
- Arrenurus (Arrenurus) neodaubihensis* Tuzovskij & Semenchenko, 2011: 14—Holotype male (IBIW, 9650), substrates: detritus, small lake near Kornilovsky bridge, Arsenyevka River basin, Anuchinsky District, Primory Territory, Russia (4307.757°N, 13313.280°E).
- Arrenurus (Arrenurus) okavango* Smit, 2012: 7—Holotype male (RMNH), from ditch along Okavango swamp at Drotsky's Camp, south of Shakawe, Botswana (18° 25' 24,2" S 21° 53' 28,17" E).
- Arrenurus (Arrenurus) primoryensis* Tuzovskij & Semenchenko, 2011: 9—Holotype male (IBIW, 9644), depth 50–70 cm, 1 km from Gornye Kluchi, small lake, Ussuri River basin, Lesozavodsky District, Primory Territory, Russia (4515.490°N, 13330.195°E).
- Arrenurus (Dividuracarus) neogereckeii* Smit, 2010: 5—Holotype male (QM), Small lake Hawkwood Road, 13 km S of Mundaburra, Queensland, Australia (25°39.910S, 151°13.941E).
- Arrenurus (Megaluracarus) chutteri longipes* Smit, 2012: 11—Holotype male (RMNH), from ditch along Okavango Swamp at Drotsky's Camp, S of Shakawe, Botswana (18°25'24, 20"S, 21°53'28.17"E)
- Arrenurus (Megaluracarus) concavus longifissus* Smit, 2012: 13—Holotype male (RMNH), from ditch along Okavango Swamp at Drotsky's Camp, S of Shakawe, Botswana (18°25'24, 20"S, 21°53'28.17"E).
- Arrenurus (Megaluracarus) glaucus* Smit, 2010: 7—Holotype male (WAM), Murray River at entrance Lane Pool Reserve, Western Australia, Australia (32°46'5.27"S, 116°4'47.64"E).
- Arrenurus (Megaluracarus) grampiansensis* Smit, 2010: 7—Holotype male (NMV), Pool Green's Creek, Grampians NP, Victoria, Australia (37°18.321S, 142°23.648E).
- Arrenurus (Megaluracarus) kostkai* Smit, 2010: 51—Holotype male (ZMAN), Nan Pad stream, Pohnpei, Federal States of Micronesia (590 m).
- Arrenurus (Megaluracarus) niveensis* Smit, 2010: 10—Holotype male (TMAG), Nive River at crossing with road A10, Tasmania, Australia (42°10.006S, 144°54.801E, 588 m).
- Arrenurus (Megaluracarus) pseudomargatellus* Smit, 2010: 11—Holotype male (QM), Buaraba Creek, Ravensbourne NP, Queensland, Australia (27°22S, 152°15E).
- Arrenurus (Megaluracarus) rotundicaudatus* Smit, 2010: 15—Holotype male (SAMA), Ewans Pond 1, Ewans Ponds Conservation park, South Australia, Australia (38°01.566S, 140°47.434E).
- Arrenurus (Micruracarus) abyssinicus* Smit, 2012: 15—Holotype male (RMNH), from marsh near Lake Awasa, Awasa, Ethiopia (7°02.964N, 38°27.621E).
- Arrenurus (Micruracarus) amurensis* Tuzovskij & Semenchenko, 2011: 17—Holotype male (IBSS, 485-kas), detritus, silt, depth up to 1,5 m, 6 km from Gili, former riverbed of the Nura River, Amur River basin, Nanaysky District, Khabarovsk Territory, Russia (4948.485°N, 13707.715°E).
- Arrenurus (Micruracarus) baleensis* Smit, 2012: 17—Holotype male (RMNH), from Hofchoo Lake, Dinsho, Bale Mountains, Ethiopia (7°07.247N, 39°43.219E)
- Arrenurus (Micruracarus) bechuanicus* Smit, 2012: 17—Holotype male (RMNH), from tributary of Okavango River near Drotsky's Camp, south of Shakawe, Botswana

- Arrenurus (Micruracarus) botswanicus* Smit, 2012: 20—Holotype male (RMNH), from tributary of Okavango River near Drotsky's Camp, south of Shakawe, Botswana.
- Arrenurus (Micruracarus) cornuatus* Smit, 2010: 51—Holotype male (ZMAN), Nan Pad stream, Pohnpei, Federal States of Micronesia.
- Arrenurus (Micruracarus) kakadu* Smit, 2010: 19—Holotype male (NTM), Plunge Pool Gunlom, Kakadu NP, Northern Territory, Australia (13°25.917S, 132°24.989E).
- Arrenurus (Micruracarus) monocavus* Smit, 2012: 23—Holotype male (RMNH), from Chobe River at Kasane, Botswana (17°47'43.34"S, 25°13'23.00"E).
- Arrenurus (Micruracarus) pesici* Smit, 2010: 19—Holotype male (AMS), Little Llangothlin Nature Reserve, New South Wales, Australia (30°05.104S, 151°46.564E, 1353 m).
- Arrenurus (Micruracarus) serratipetiolatus* Smit, 2012: 25—Holotype male (BMSA), from pond "Katbakkies", Skitterykloof N of Ceres, Western Cape Province, South Africa (32°52.984S 19°44.286E).
- Arrenurus (Truncaturus) flavus* Smit, 2012: 28—Holotype male (MNHN), from River Gouloué, Mayotte, Comoros (12°47'27, 2S 45°11'22,9E)
- Arrenurus (Truncaturus) indentatus* Smit, 2010: 22—Holotype male (AMS), Small lake near Diggers Creek, Mt. Kosciuszko NP, New South Wales, Australia (36°21.589S, 148°29.248E, 1511 m).
- Arrenurus (Truncaturus) indicus* Smit & Pešić, 2008: 56—Holotype male (ZMAN), Mahananda River, Jadavnagar of Aih Village, Malda district, West Bengal, India.
- Arrenurus (Truncaturus) novaecambrius* Smit, 2010: 25—Holotype male (AMS), Small lake near Diggers Creek, Mt. Kosciuszko NP, New South Wales, Australia (36°21.589S, 148°29.248E, 1511 m).
- Wuria indica* Pešić, Chatterjee & Bordoloi, 2010: 43—Holotype female (NHMB), between the water hyacinth *Eichhornia corniculata*, Deeper Beel wetland, SW of Guwahati City, Kamrup district, Assam State, India (26.10903N, 91.68359E, 37 m).
- Thoracophoracarus fluviatilis* Smit, 2012: 28—Holotype female (BMSA), from Wolwekloof River at Tweede Tol, Limietberg NR, Western Cape Province, South Africa (33°34.115S, 19° 08.255E).
- Infraorder **Eleutherengona** (146 species)
 Hyporder **Raphignathina** (132 species)
 Superfamily **Cheyletoidea** (76 species)
 Family **Cheyletidae** (8 species)
- Bak indonesiensis* Bochkov & Otto, 2010: 17—Holotype female (ANIC, # 42-000005), phoretic on undetermined beetle, Australian border interception (N121257) from timber ornaments imported from Indonesia.
- Chelacheles indra* Bochkov & Otto, 2010: 16—Holotype female (ANIC, # 42-000004), phoretic on *Sinoxylon crassum* Lesne (Coleoptera: Bostrichidae), Australian border interception (V127799) on timber crates from India.
- Chelacheles thomasi* Bochkov & Otto, 2010: 12—Holotype female (ANIC, # 42-000003), from oranges from (Sydney/Rosebery), Australia
- Cheletomimus (Philippicheyla) crowei* Bochkov & Otto, 2010: 9—Holotype female (ANIC, # 42-000002), Australian border interception (V127799) from avocado imported from New Zealand.
- Lanceacheyla whartoni* Xia, Klompen & Childers, 2011: 30—Holotype female (FSCA, E2009-8177-1), in leaf samples from 'Hamlin' oranges, Lilly, 10 km S of Ona, Florida, Hardee Co., USA (27°21'59"N, 81°57'56"W).
- Mexecheles thailandensis* Fuangarworn & Lekprayoon, 2010: 60—Holotype female (CUMN, CUMZ-AC- 2009.01), from bark of fallen *Streblus asper* tree infested by scolytid beetles, Salaloy Subdistrict, Tharua District, Ayutthaya Province, Thailand.
- Oconnoricheylus speciosus* Bochkov & Otto, 2010: 3—Holotype female (ANIC, # 42-000001), Australian border interception (N129746) from oranges imported from USA.
- Samsinakia charanasriae* Fuangarworn & Lekprayoon, 2010: 60—Holotype female (CUMN, CUMZ-AC- 2009.07), litter under *Flacourtia* sp., 3 m. from pond edge, Buang-Chawak Park, Supan Buri Province, Thailand.
- Family **Syringophilidae** (68 species)
- Apodisyngophilus collocalius* Skoracki & OConnor, 2010: 5—Holotype female (UMMZ, BMOC 86-0923-9), from *Collocalia esculenta* (Linnaeus) (Apodiformes: Apodidae), 4 km S, 1 km E. Inopacan, Leyete Is., Philippines.
- Aulobia cardueli* Skoracki, Hendricks & Spicer, 2011: 36—Holotype female (AMU), from quills of secondaries of the Lesser Goldfinch *Carduelis psaltria* (Say) (Passeriformes: Fringillidae), Garen Ranch, Johnson Co., Texas, USA.
- Aulobia leucostictus* Skoracki, 2011: 110—Holotype female (AMU-SYR.204), from *Leucosticte arctoa* (Pallas) (Passeriformes: Fringillidae), Europe.

- Aulonastus anthus* Skoracki, 2011: 150—Holotype female (AMU–SYR.248), from *Anthus trivialis* (Linnaeus) (Passeriformes: Motacillidae), Katy, Wielkopolska, Poland.
- Aulonastus fringillus* Skoracki, 2011: 152—Holotype female (AMU–SYR.249), from *Fringilla coelebs* Linnaeus (Passeriformes: Fringillidae), Katy, Wielkopolska, Poland.
- Aulonastus henicorhina* Sikora & Skoracki, 2012: 60—Holotype female (AMU–SYR. 350), from quill of body feather of *Henicorhina leucosticta* (Cabanis), near Quito, coll. R. Olalla, Ecuador.
- Aulonastus lanius* Skoracki, 2011: 146—Holotype female (AMU–SYR.247), from *Lanius senator* Linnaeus (Passeriformes: Laniidae), Europe.
- Aulonastus loxius* Skoracki, 2011: 148—Holotype female (AMU–SYR.281), from *Loxia curvirostra* Linnaeus (Passeriformes: Fringillidae), Bukowo-Kopan, Darlowko Wschodnie, Zachodniopomorskie, Poland.
- Betasyringophiloidus phoenicurus* Skoracki, 2011: 87—Holotype female (AMU–SYR.237), from *Phoenicurus ochrurus* (Gmelin) (Passeriformes: Turdidae), Welytn, Zachodniopomorskie, Poland.
- Betasyringophiloidus saxicolus* Skoracki, 2011: 90—Holotype female (AMU–SYR.236), from *Saxicola rubetra* (Linnaeus) (Passeriformes: Muscicapidae), Welytn, Zachodniopomorskie, Poland.
- Bochkovia phalaropi* Skoracki & OConnor, 2010: 8—Holotype female (UMMZ, BMOC 83–0608–6), from covert quill of *Phalaropus fulicarius* (Linnaeus) (Charadriiformes: Scolopacidae), San Diego, San Diego Co., USA.
- Bubophilus aluconis* Nattress & Skoracki, 2009: 50—Holotype female (AMU), from greater covert quills of the tawny owl *Strix aluco* (L.) (Strigiformes: Strigidae), Worsbrough, South Yorkshire, England, UK (53°31'N, 1°29'W).
- Charadriphilus ralli* Skoracki & Bochkov, 2010: 54—Holotype female (AMU, 07-2610-122), from *Rallus aquaticus* Linnaeus (Gruiformes: Rallidae), Vysochanskiy Pond, Vysokoe village, Ongtustik Qazaqstan, Kazakhstan (42°30'50.2"N, 70°35'52.8"E).
- Charadriphilus re* Skoracki & OConnor, 2010: 18—Holotype female (UMMZ, (BMOC, #83–0307–32), from *Pterocles senegallus* (Linnaeus) (Pteroclidiformes: Pteroclididae), 45 km. E., Wadi el Metuli, Red Sea Governate, Egypt.
- Ciconichenophilus phoeniconaias* Skoracki & OConnor, 2010: 13—Holotype female (UMMZ, BMOC 82-1212-1), from secondary quill of *Phoeniconaias minor* (Geoffroy Saint-Hilaire) (Phoenicopteriformes: Phoenicopteridae), bird died in captivity, Botswana.
- Columbiphilus odontophoridus* Skoracki & Sikora, 2011: 27—Holotype female (physogastric form) (AMU–SYR.322), from quills of body feathers of *Colinus leucopogon* (Lesson) (Odontophoridae), Bogota, Colombia.
- Corvitorotroglus alpha* Skoracki & Bochkov, 2010: 54—Holotype female (ZISP, AVB 07-0110-004), from *Corvus frugilegus* Linnaeus (Passeriformes: Corvidae), Chockpak Ornithological Station, Ongtustik Qazaqstan, Kazakhstan (42°30'45.2"N, 70°35'46.2"E, 1134 m).
- Galliphilopsis colinus* Skoracki & Sikora, 2011: 20—Holotype female (AMU–SYR.320), from quills of body feathers of *Colinus cristatus* (Linnaeus) (Odontophoridae). Zanderij, Surinam.
- Galliphilopsis szeptykii* Skoracki & Sikora, 2011: 25—Holotype female (AMU–SYR.327), from quill of body feather of *Coturnix pectoralis* Gould (Phasianidae), Adelaide, Australia.
- Kalamotrypetes cracidus* Skoracki & Sikora, 2011: 16—Holotype female (AMU–SYR.135.4), from covert quills of *Penelope* sp. (Cracidae), Guyana.
- Krantziaulonastus lonchurus* Skoracki, 2011: 133—Holotype female (AMU–SYR.245), from *Lonchura punctulata* (Linnaeus) (Passeriformes: Estrildidae), P. R. China.
- Krantziaulonastus oryzivorus* Skoracki, 2011: 131—Holotype female (AMU–SYR.244), from *Lonchura oryzivora* (Linnaeus) (Passeriformes: Estrildidae), Japan.
- Krantziaulonastus yoyomi* Glowska & Skoracki, 2011: 64—Holotype female (AMU), from body feather of the White-headed Buffalo Weaver *Dinemellia dinemelli* (Passeriformes, Ploceidae), housed in the Biozentrum Grindel und Zoologisches Museum Hamburg in the University of Hamburg, Germany.
- Meitingsunes aldwelli* Glowska & Skoracki, 2010: 65—Holotype female ((AMU–SYR. 193)), from a quill of *Geotrygon frenata* (Tschudi) (Columbiformes: Columbidae), Choco, Colombia.
- Meitingsunes columbicus* Skoracki, 2011: 302—Holotype female (ZISP, VB 07–0110–010), from *Columba oenas* Linnaeus (Columbiformes: Columbidae), Chockpak Ornithological Station, Ongtustik Qazaqstan, Kazakhstan (42°30'45.2"N, 70°35'46.2"E, 1134 m).
- Neoaulonastus aegithalos* Skoracki, 2011: 122—Holotype female (AMU–SYR.112), from *Aegithalos caudatus* (Linnaeus) (Passeriformes: Aegithalidae), Turawa Lake, Opolskie, Poland.
- Neoaulonastus caligatus* Skoracki, 2011: 120—Holotype female (AMU–SYR.240), from *Iduna caligata* (Lichtenstein) (Passeriformes: Sylviidae), Europe.

- Neoaulonastus chrysocolaptes* Skoracki & OConnor, 2010: 22—Holotype female (UMMZ, BMOC 81–0728–2), from quill of *Chrysocolaptes lucidus* (Scopoli) (Piciformes: Picidae), between Bagio and Iland Rivers, Pinablanca Munic., Cagayan Prov., Luzon Is., Philippines.
- Neoaulonastus picidus* Skoracki, 2011: 124—Holotype female (AMU–SYR.242), from *Dendrocopos leucotos* (Bechstein) (Picidae), Valkov, Slovakia.
- Neoaulonastus remizus* Skoracki, 2011: 117—Holotype female (AMU–SYR.239), from *Remiz pendulinus* (Linnaeus) (Passeriformes: Remizidae), Turawa Lake, Opolskie, Poland.
- Neoaulonastus riparius* Skoracki, 2011: 126—Holotype female (AMU–SYR.246), from *Riparia riparia* (Linnaeus) (Passeriformes: Hirundinidae), Katy, Wielkopolska, Poland.
- Picisyringophilus kratos* Skoracki & OConnor, 2010: 15—Holotype female (UMMZ, BMOC 02–0608–001), from secondary quills of *Picoides pubescens* (Linnaeus) (Piciformes: Picidae), 2 mi NW Dexter, Washtenaw Co., Michigan, USA (42°21.55'N, 83°55.01'W).
- Picobia cetti* Skoracki, 2011: 357—Holotype female (AMU–SYR.286), from *Cettia cetti* (Temminck) (Passeriformes: Sylviidae), Aras, Turkey.
- Picobia corcoracus* Skoracki, Głowska & Sikora, 2008: 64—Holotype female (AMU, Syr. 123), from the White-winged Chough *Corcorax melanorhamphos* (Vieillot) (Passeriformes: Grallinidae), Australia.
- Picobia dinemellia* Głowska & Skoracki, 2011: 64—Holotype female (AMU), from body feather of the White-headed Buffalo Weaver *Dinemellia dinemelli* (Passeriformes, Ploceidae), housed in the Biozentrum Grindel und Zoologisches Museum Hamburg in the University of Hamburg, Germany.
- Picobia dziabaszewskii* Głowska, Dragun-Damian & Dabert, 2012: 59—Holotype Female (AMU), from body feather of *Garrulax formosus* (Passeriformes: Leiothrichidae), originated from P. R. China.
- Picobia ephianura* Skoracki, Głowska & Sikora, 2008: 62—Holotype female (AMU, Syr. 214), from the Orange Chat *Ephianura aurifrons* Gould (Passeriformes: Meliphagidae), Australia.
- Picobia eremophila* Skoracki, 2011: 363—Holotype female (physogastric form) (AMU–SYR.273), from *Eremophila bilopha* (Temminck) (Passeriformes: Alaudidae), Egypt.
- Picobia galerida* Skoracki, 2011: 367—Holotype female (AMU–SYR.269), from *Galerida cristata* (Linnaeus) (Passeriformes: Alaudidae), near Swinoujście, Zachodniopomorskie, Poland.
- Picobia glossopsitta* Skoracki, Głowska & Sikora, 2008: 67—Holotype female (AMU, Syr. 139), from the Purple-crowned Lorikeet *Glossopsitta porphyrocephala* (Dietrichsen) (Psittaciformes: Psittacidae), New Holland, Australia.
- Picobia lemi* Skoracki, Głowska & Sikora, 2008: 60—Holotype female (physogastric form) (AMU, Syr. 212), from the Crinkle-collared Manucode *Manucodia chalybatus* (Forster) (Passeriformes: Paradisaeidae), New Guinea Indonesia.
- Picobia pteroclesi* Skoracki & OConnor, 2010: 27—Holotype female (UMMZ, BMOC 83–0307–33), from *Pterocles senegallus* (Linnaeus) (Pteroclidiformes: Pteroclididae), 45 km. E., Wadi el Metuli, Red Sea Governate, Egypt.
- Picobia pycnonoti* Głowska, Skoracki & Hourly, 2007: 64—Holotype female (AMU), from quills of body feathers of the White-spectacled Bulbul *Pycnonotus xanthopygos* (Ehrenberg) (Pycnonotidae), Al-Dhleil, Jordan.
- Picobia riparius* Skoracki, 2011: 360—Holotype female (physogastric form) (AMU–SYR.211), from *Riparia riparia* (Linnaeus) (Passeriformes: Hirundinidae), Zielona Gora, Lubuskie, Poland.
- Picobia troglodytidus* Sikora & Skoracki, 2012: 62—Holotype female (AMU–SYR.351), from *Heni-corhina leucophrys* (Tschudi), Cartago, Costa Rica.
- Rafapicobia dendrocolaptes* Skoracki & Solarczyk, 2012: 60—Holotype female (ZSM), from *Dendrocolaptes platyrostris* Spix (Dendrocolaptidae), Apa-Bergland, Paraguay.
- Rafapicobia lepidocolaptes* Skoracki & Solarczyk, 2012: 62—Holotype female (ZSM), from *Lepidocolaptes affinis* (Lafresnaye) (Dendrocolaptidae), Gualaquiza, Ecuador.
- Rafapicobia toxostoma* Sikora, Fajfer & Skoracki, 2011: 34—Holotype female (physogastric form) (AMU–SYR.334), from *Toxostoma curvirostre* (Swainson), USA.
- Rafapicobia zirnitra* Skoracki, 2011: 392—Holotype female (non-physogastric) (AMU–SYR.119), from *Saxicola rubetra* (Linnaeus) (Passeriformes: Muscicapidae), near Swinoujście, Zachodniopomorskie, Poland.
- Selenonycha chardriiformis* Skoracki, 2011: 276—Holotype female (AMU–SYR.97), from *Larus genei* Breme (Charadriiformes: Laridae), Lake Manzala area, Egypt.
- Stibarokris dastychi* Głowska & Skoracki, 2011: 64—Holotype female (AMU–SYR. 193), from quills of covert feathers of *Phalacrocorax carbo* (Linnaeus) (Pelecaniformes: Phalacrocoracidae), Germany.
- Stibarokris phoeniconaias* Skoracki & OConnor, 2010: 25—Holotype female (UMMZ, BMOC 82–1212–1), from quill of secondary coverts of *Phoeniconaias minor* (Geoffroy Saint-Hilaire) (Phoenicopteriformes:

Phoenicopteridae), bird died in captivity, Botswana.

Syringophiloidus coccothraustes Skoracki, 2011: 82—Holotype female (AMU–SYR.233), from *Coccothraustes coccothraustes* (Linnaeus) (Passeriformes: Fringillidae), Katy near Poznan, Wielkopolskie, Poland.

Syringophiloidus klimovi Skoracki & Bochkov, 2010: 54—Holotype female (ZISP, 07-2610-122), from *Carduelis chloris* (Linnaeus) (Passeriformes: Fringillidae), Chockpak Ornithological Station, Ongtustik Qazaqstan, Kazakhstan (42°30'45.2"N, 70°35'46.2"E, 1134 m).

Syringophiloidus microcerculus Sikora & Skoracki, 2012: 58—Holotype female (AMU–SYR.349), *Microcerculus marginatus* (Sclater), Para, Peixe-Boi, Brazil.

Syringophiloidus parapresentalis Skoracki, 2011: 63—Holotype female (AMU–SYR.187A), from *Turdus merula* Linnaeus (Passeriformes: Turdidae), near Poznan, Jeziory, Wielkopolskie, Poland.

Syringophiloidus petronicus Skoracki, 2011: 45—Holotype female (AMU–SYR.190), from *Petronia petronia* (Linnaeus) (Passeriformes: Passeridae), Italy.

Syringophiloidus philomelosus Skoracki, 2011: 42—Holotype female (AMU–SYR.186), from *Turdus philomelos* Brehm (Passeriformes: Turdidae), Al-Dhleil near Amman, Jordan.

Syringophiloidus pseudonigritae Głowska, Dragun-Damian & Dabert, 2012: 65—Holotype female (AUM), from the Grey-headed Social-Weaver *Pseudonigrita arnaudi* (Passeriformes, Ploceidae), Tanzania.

Syringophilopsis certhiae Skoracki, Hendricks & Spicer, 2011: 6—Holotype female (SNMNH), from quill of the Brown Creeper, *Certhia americana* Bonaparte (Certhiidae), Monterey Co., California, USA.

Syringophilopsis idunae Skoracki, 2011: 174—Holotype female (AMU–SYR.178), from *Iduna caligata* (Lichtenstein) (Passeriformes: Sylviidae), Europe.

Syringophilopsis mimidus Sikora, Fajfer & Skoracki, 2011: 30—Holotype female (AMU–SYR.331), from *Margarops fuscatus* (Vieillot); Central America.USA.

Syringophilopsis muscicapus Skoracki, 2011: 161—Holotype female (AMU–SYR.133), from *Muscicapa dauurica* Pallas (Passeriformes: Muscicapidae), Japan.

Syringophilopsis nucifragus Skoracki, 2011: 188—Holotype female (AMU–SYR.179), from *Nucifraga caryocatactes* (Linnaeus) (Passeriformes: Corviidae), Europe.

Syringophilopsis passericus Skoracki, 2011: 176—Holotype female (ZISP), from *Passer domesticus* (Linnaeus) (Passeriformes: Passeridae), Bishkek, Kirghizia, Kyrgyzstan.

Syringophilopsis sittae Skoracki, Hendricks & Spicer, 2011: 9—Holotype female (SNMNH), from quill of the White-breasted Nuthatch, *Sitta carolinensis* Latham, 1790 (Sittidae), UC Hopland, Mendocino Co., California, USA.

Syringophilopsis sturnellus Skoracki, Hendricks & Spicer, 2011: 13—Holotype female (SNMNH), from quill of the Western Meadowlark, *Sturnella neglecta* Audubon (Icteridae), Mohave Co., Arizona, USA.

Torotroglia pycnonotus Skoracki, 2011: 250—Holotype female (AMU–SYR.199), from *Pycnonotus xanthopygos* (Ehrenberg) (Passeriformes: Pycnonotidae), Al-Dhleil near Amman, Jordan.

Superfamily **Myobioidea** (3 species)

Family **Myobiidae** (3 species)

Radfordia (Microtimyobia) dinaromys Bochkov, 2011: 49—Holotype female (ZISP, T-My-32), from *Dinaromys bogdanovi*, Cetinje, Montenegro.

Radfordia (Microtimyobia) golenishchevi Bochkov, 2011: 34—Holotype male (ZISP, T-My-32), from *Eothenomys wardi*, Mekong River, P. R. China.

Radfordia (Microtimyobia) pitymys Bochkov, 2011: 38—Holotype male (ZISP, T-My-33), from *Pitymys pinetorum* (ZISP 71909), Springfield, Fairfax Co., Virginia, USA.

Superfamily **Pterygosomatoidea** (3 species)

Family **Pterygosomatidae** (3 species)

Bertrandiella chamelaensis Paredes-León, Klompen & Pérez, 2012: 20—Holotype female (CNAC007051–81), Jalisco, Mpio. La Huerta, Chamela, km 54 carr. Manzanillo–Puerto Vallarta, Mexico (19.45506°N, -105.03205°W).

Geckobiella donnae Paredes-León, Klompen & Pérez, 2012: 12—Holotype female (OSAL0013670), Ohio, Franklin Co., Dublin, pet store, USA (40°05'57"N, -83°06'51"W).

Pterygosoma pseudotrapelus Bochkov, Melnikov & Nazarov, 2009: 62—Holotype female (ZISP, T-Pt-003), from *Pseudotrapelus sinaitus* (Heyden) (Squamata: Agamidae), tourist desert Camp, Wadi Rum Desert, Ram village, Aqaba Province, Jordan (29°34'N, 35°25'E, 1446 m).

Superfamily **Raphignathoidea** (18)

Family **Camerobiidae** (6 species)

Acamerobia inflatus Fan & Walter, 2011: 47—Holotype female (QM), from bark of *Jacaranda mimosifolia*, St. Lucia

campus of the University of Queensland, Brisbane, Queensland, Australia (27°30'S, 153°01'E).

***Neophyllobius kamalii* Khanjani, Fayaz & Ghanbalani, 2010: 58**—Holotype male (BASU), from pomegranate leaves infested with *Cenopalpus irani* Dosse (Tenuipalpidae), Shalan water spring, Dalahoo, Rijab, Kermanshah province, Iran (35°17'47"N, 46°59'09"E, 1648 m).

***Neophyllobius zolfigolii* Khanjani, Fayaz & Ghanbalani, 2010: 54**—Holotype female (BASU), under soil of wild rose bushes, Nahavad, Hamedan province, Iran (48°22'35"N, 46°02'24"E, 1644 m).

***Tycherobius farsiensis* Khanjani, Yazdanpanah, Ostovan & Asali Fayaz, 2012: 36**—Holotype female from soil & rotten leaves under oak tree (*Quercus brantii* Lindl, Fagaceae), Koohmare Sorkhi region, Fars province, Iran (29°30'09"N, 52°10'20"E).

***Tycherobius iranensis* Khanjani, Yazdanpanah, Ostovan & Asali Fayaz, 2012: 25**—Holotype female (BASU), from soil and rotten leaves under oak tree (*Quercus brantii* Lindl, Fagaceae), Koohmare Sorkhi region, Fars province, Iran (29°32'05"N, 52°12'56"E).

***Tycherobius ueckermanni* Khanjani, Yazdanpanah, Ostovan & Asali Fayaz, 2012: 32**—Holotype female (BASU), from soil and rotten leaves under oak tree (*Quercus brantii* Lindl, Fagaceae), Koohmare Sorkhi region, Fars province, Iran (29°28'41"N, 52°10'08"E).

Family **Cryptognathidae** (1 species)

***Cryptofavognathus anatolicus* Doğan & Dönel, 2010: 37**—Holotype female (ZMAU), from moss on stone, Ağcaalan Village, Erbaa District, Tokat Province, Turkey (40°38'31"N, 36°40'50"E, 550 m).

Family **Stigmaeidae** (11 species)

***Cheylostigmaeus urhani* Dönel & Doğan, 2011: 4**—Holotype male (ZMAU), from grassy soil, Köse Mountain, Turkey (40°16'23"N, 39°37'51"E, 1758 m).

***Eustigmaeus varius* Dönel & Doğan, 2011: 16**—Holotype female (ZMAU), from decayed bark of *Pinus* sp., Reşadiye, Turkey (40°18'27"N, 37°35'01"E, 996 m).

***Ledermuelleriopsis indiscretus* Dönel & Doğan, 2011: 31**—Holotype female (ZMAU), from moss on soil, between Koyulhisar-Reşadiye, Turkey (40°22'88"N, 37°21'46"E, 519 m).

***Prostigmaeus integrius* Dönel & Doğan, 2011: 33**—Holotype male (ZMAU), from grassy soil, Reşadiye, Turkey (40°26'02"N, 37°06'55"E, 491 m).

***Stigmaeus additicius* Dönel & Doğan, 2011: 38**—Holotype female (ZMAU), from litter under *Acacia* sp., Niksar, Turkey (40°31'40"N, 36°54'09"E, 330 m).

***Stigmaeus angustus* Dönel & Doğan, 2011: 40**—Holotype female (ZMAU), from grassy soil, Gölova, Turkey (40°03'53"N, 38°35'27"E, 1306 m).

***Stigmaeus ayıldizi* Dönel & Doğan, 2011: 36**—Holotype female (ZMAU), from grassy soil, between Reşadiye-Niksar, Turkey (40°27'23"N, 37°02'51"E, 362 m).

***Stigmaeus ueckermanni* Yali, Khanjani & Razmjou, 2011: 61**—Holotype female (PPRP), from soil, Heyran road, Ardabil, Ardabil, Iran province, Iran (38°26'85"E, 48°34'28"N, 1316 m).

***Stigmaeus boshroyehensis* Khanjani & Gotoh, 2010: 36**—Holotype female (BASU), from soil under pistachio trees, Boshroyeh, South Khorasan province, east of Iran (33°53'N, 57°25'E, 873 m).

***Stigmaeus furcatus* Dönel & Doğan, 2011: 42**—Holotype female (ZMAU), from litter under *Pistacia* sp., Erbaa, Turkey (40°38'37"N, 36°37'38"E, 305 m).

***Stigmaeus kelkitensis* Dönel & Doğan, 2011: 43**—Holotype female (ZMAU), from litter under *Quercus* sp., between Reşadiye-Koyulhisar, Turkey (40°21'18"N, 37°27'49"E, 579 m).

Superfamily **Tetranychoidae** (32 species)

Family **Tenuipalpidae** (21 species)

***Acaricis danutae* Beard & Gerson, 2009: 32**—Holotype female (ASCU), from native sedge *Carex* sp. (Cyperaceae), private property of E. & R. McGanigles, Cooyal, New South Wales, Australia.

***Acaricis plana* Beard & Gerson, 2009: 36**—Holotype female (QM), from native sedge *Scleria sphacelata* F. Muell. (Cyperaceae), Jack Smith Scrub Conservation Park, 10 km NNW Murgon, Queensland, Australia (26°09'17"S, 151°54'35"E).

***Aegyptobia hormozgani* Farzan, Asadi & Ueckermann, 2012: 84**—Holotype female (SBUC), ex *Convolvulus polygonum* (Convolvulaceae), Karimabad (Jiroft-Kerman province), Iran.

***Aegyptobia jiroftiensis* Farzan, Asadi & Ueckermann, 2012: 80**—Holotype female (SBUC), ex *Convolvulus polygonum* (Convolvulaceae), Karimabad (Jiroft-Kerman province), Iran.

***Aegyptobia bromi* Khanjani, Khanjani & Seeman, 2012: 31**—Holotype female (BASU) from *Bromus tectorum* L., under gum bushes, *Astragalus gossypinus* Fisch. (Fabaceae), Hamedan Province, Iran (34°45'N, 48°31'E).

- Aegyptobia nazarii* Khanjani, Khanjani & Seeman, 2012: 33**—Holotype female (BASU), from *Poa bulbosa* L. (Poaceae), Hamedan Province, Nahavand, Iran (34°02'N, 48°22'E).
- Gahniacarus gersonus* Beard & Ochoa, 2011: 14**—Holotype female (QM), from red-fruited saw sedge *Gahnia sieberiana* Kunth. (Cyperaceae), Mittagong, Mt Alexander Reserve, New South Wales, Australia (34°27'26"S, 150°27'00"E).
- Gahniacarus tuberculatus* Beard & Ochoa, 2011: 4**—Holotype female (QM, UQIC #89123), from rough saw sedge *Gahnia aspera* (R.Br.) Spreng. sensu lato (Cyperaceae) in margin of notophyll vineforest, Far North Queensland, Home Rule, Base of Mt Hedley, Queensland, Australia (15°44'56"S, 145°17'17"E).
- Cyperacarus foliatus* Beard & Ochoa, 2011: 29**—Holotype female (QM, UQIC #59686), from red-fruited saw sedge *Gahnia sieberiana* Kunth. var. *sieberiana* (Cyperaceae), Fraser Island, Great Sandy National Park, Hook Point to Dilli Village Road, Queensland, Australia (25°41'46"S, 153°04'22"E).
- Cyperacarus naomae* Beard & Ochoa, 2011: 19**—Holotype female (QM, UQIC #88927), from red-fruited saw sedge *Gahnia sieberiana* Kunth. (Cyperaceae), Far North Queensland, Windsor Tableland Forest Reserve, Queensland, Australia (16°13'56"S, 145°00'26"E).
- Cenopalpus rubusi* Khanjani, Khanjani, Saboori & Seeman, 2012: 3**—Holotype female (BASU), from *Rubus persica* L. (Rosaceae), Kurdistan Province, Sanandaj, Angozhan village, Iran (35°05'N, 46°55'E).
- Cenopalpus prunusi* Khanjani, Khanjani, Saboori & Seeman, 2012: 8**—Holotype female (BASU), from plum leaf, *Prunus domestica* L. (Rosaceae), Hamedan Province, Hamedan, Iran (34°45'N, 48°31'E).
- Cenopalpus khosrowshahii* Khanjani, Khanjani, Saboori & Seeman, 2012: 11**—Holotype female (BASU), on Pagoda trees, *Sophora alopecuroides* L. (Fabaceae), Hamedan Province, Hamedan, Iran (35°48'N, 47°29'E).
- Cenopalpus quercusi* Khanjani, Khanjani, Saboori & Seeman, 2012: 14**—Holotype female (BASU), from oak trees, *Quercus castaneifolia* C.A.Mey. (Fagaceae), Lorestan Province, Robat namaki, Iran (33°33'N, 48°26'E).
- Pentamerismus behsharicus* Khanjani & Gotoh, 2008: 56**—Holotype female (BASU), from *Juniperus polycarpus* L., Behshahr, Mazandaran, Iran.
- Pentamerismus ueckermanni* Khanjani & Gotoh, 2008: 54**—Holotype female (BASU), from *Juniperus communis* L., Behshahr, Mazandaran, Iran.
- Phytoptipalpus kurdistaniensis* Khanjani, Khanjani & Seeman, 2012: 50**—Holotype female (BASU), from wild rose bushes, *Rosa woodsii* Lindl. (Rosaceae), Kurdistan Province, Sanandaj Iran (35°18'27"N, 46°58'17"E).
- Tenuipalpus omani* Moraes, Al-Shanfari & Silva, 2011: 64**—Holotype female (USPB), from *Phoenix dactylifera* L. (Arecaceae), Hasik, Dhofar Region, Sultanate of Oman.
- Pseudoleptus hamedaniensis* Khanjani, Khanjani, Saboori & Seeman, 2012: 43**—Holotype female (QM), from *Bromus tectorum* L. (Poaceae) beneath gum bushes, *Astragalus gossypinus* Fisch. (Fabaceae), Hamedan Province, Hamedan Iran (34°45'N, 48° 31'E).
- Pseudoleptus iranensis* Khanjani, Khanjani & Seeman, 2012: 46**—Holotype female (BASU) from *Bromus danthoniae* Elymus (Poaceae), under spiny hawthorn trees, *Crataegus aronia* (L.) (Rosaceae), Hamedan province, Hamedan, uphill of Alvand mountain, Iran (34°39.8'27"N, 48°23'0.35"E).
- Pseudoleptus kermanshahiensis* Khanjani, Khanjani & Seeman, 2012: 52**—Holotype female (QM), from *Alopecurus myosuroides* Hudson (Poaceae) under apple trees, *Malus domestica* (L.) (Rosaceae), Kermanshah province, Sahneh Iran (34°27'49.59"N 47°40'48"E).

Family **Linotetranidae** (3 species)

- Linotetrans astragalusi* Khanjani, Fayaz & Khanjani, 2011: 52**—Holotype female (BASU), from soil under gum bushes, *Astragalus gossypinus* Fisch. (Fabaceae), Hamedan, Hamedan Province, Iran (34°45'N, 48°31'E, 2015 m).
- Linotetrans iraniensis* Khanjani, Fayaz & Khanjani, 2011: 48**—Holotype female (BASU), from soil under gum bushes, *Astragalus gossypinus* Fisch. (Fabaceae), Hamedan, Hamedan Province, Iran (34°45'N, 48°31'E, 2015 m).
- Linotetrans niknami* Bagheri & Haddad, 2008 in Bagheri, Irani-Nejad, Kamali, Khanjani, Saboori & Lotfollahi, 2008: 66**—Holotype female (NHM), soil of wheat fields, Marand, East Azarbaijan Province, Iran.

Family **Tetranychidae** (8 species)

- Aplonobia crispipilis* Auger & Flechtmann, 2009 in Auger, Chaaban, Grissa, Khoualdia & Flechtmann, 2009: 34**—Holotype female (CBGP), from *Salsola* sp., (Chenopodiaceae), El Hamma, Gouvernorat de Tozeur, Tunisia.
- Bryobia alveolata* Auger & Flechtmann, 2009 in Auger, Chaaban, Grissa, Khoualdia & Flechtmann, 2009: 30**—Holotype female (CBGP), from *Atriplex* sp., (Chenopodiaceae), M'Rha Lahouara, Gouvernorat de Tozeur, Tunisia.
- Neonidulus tereotus* Beard & Walter, 2010: 8**—Holotype male (QM), ex. Weeping Lillypilly, *Waterhousea floribunda* (Myrtaceae), The University of Queensland St Lucia campus, Brisbane, Queensland, Australia (27°30'S, 153°00'E).
- Petrobia (Petrobia) carthagensis* Auger & Flechtmann, 2009 in Auger, Chaaban, Grissa, Khoualdia &**

Flechtmann, 2009: 36—Holotype male (CBGP), from *Salicornia arabica* L., 1753, (Chenopodiaceae), El Hamma, Gouvernorat de Tozeur, Tunisia.

***Petrobia (Petrobia) pseudotetranychina* Auger & Flechtmann, 2009 in Auger, Chaaban, Grissa, Khoualdia & Flechtmann, 2009: 40**—Holotype male (CBGP), from *Atriplex* sp., (Chenopodiaceae), El Hamma, Gouvernorat de Tozeur, Tunisia.

***Oligonychus camelliae* Ehara & Gotoh, 2007: 52**—Holotype male (NSMT, Ac 12444), from *Camellia japonica* L. (Theaceae), Shinobuyama, Fukushima, Fukushima Pref., Honshu, Japan.

***Tetranychus misumaiensis* Ehara & Gotoh, 2007: 55**—Holotype male (NSMT, Ac 12453), from *Apios* sp. (Fabaceae), Misumai, Sapporo, Hokkaido, Japan.

***Tetranychus (Tetranychus) atriplexi* Auger & Flechtmann, 2009 in Auger, Chaaban, Grissa, Khoualdia & Flechtmann, 2009: 45**—Holotype male (CBGP), from *Atriplex* sp., (Chenopodiaceae), El Hamma du Jerid, Gouvernorat de Tozeur, Tunisia.

Hyporder **Heterostigmata** (14 species)

Superfamily **Pyemotoidea** (3 species)

Family **Caraboacaridae** (1 species)

***Minicaraboacarus quadridiscalis* Hajiqanbar & Khaustov, 2008 in Hajiqanbarl, Khaustov, Kamali, Saboori & Kamali, 2008: 59**—Holotype female (TMU), from under elytra of *Cymbionotum semeleleri* (Coleoptera: Carabidae), in Feizabad of Torbat Heidariyeh, Razawi Khorassan province, Northeastern Iran (34°57.380N, 58°45.301E, 895 m).

Family **Pyemotidae** (2 species)

***Pyemotes turkeyensis* Yu, Zhang & He, 2010: 3**—Holotype male (USNM, slide 21,437), ex culture of moths originating in Turkey.

***Pyemotes zhonghuajia* Yu, Zhang & He, 2010: 3**—Holotype male (NZMC), from adults of *Sinoxylon japonicum* Lesne on *Diospyros kaki*, Lianhe Viliage, Ji County, Tianjing, P. R. China.

Superfamily **Pygmephoroidae** (6 species)

Family **Pygmephoridae** (2 species)

***Elattoma abeskoun* Rahiminejad & Hajiqanbar, 2011, in Rahiminejad, Hajiqanbar & Fathipour, 2011: 52**—Holotype female (TMU), phoretic on *Morimus verecundus* (Coleoptera: Cerambycidae) clinging to ventral surface, around coxae I–III, collected from Oak trees in Nokandeh forest, Golestan province, northern Iran (36.41°N, 53.54°E, 381 m).

***Elattoma cerambycidum* Rahiminejad & Hajiqanbar, 2011, in Rahiminejad, Hajiqanbar & Fathipour, 2011: 49**—Holotype female (TMU), phoretic on *Morimus verecundus* (Coleoptera: Cerambycidae) clinging to ventral surface, around coxae I–III, collected from Oak trees in Naharkhoran forest, Golestan province, northern Iran (36.46°N, 54.27°E, 450 m).

Family **Scutacaridae** (1 species)

***Heterodispus cordidiscus* Jagersbacher-Baumann & Ebermann, 2012: 57**—Holotype male (ZMHU), Luxor, Nile riverside Egypt (2541'38.02"N, 3237'41.18"E).

Family **Neopygmephoridae** (3 species)

***Bakerdania undulata* Khaustov, 2010: 56**—Holotype female (NSCY), in soil under grass, “Cape Martyan” Nature Reserve, Crimea, Ukraine.

***Bakerdania latissimosetosa* Khaustov, 2010: 53**—Holotype female (NSCY), in soil under grass, “Cape Martyan” Nature Reserve, Crimea, Ukraine.

***Bakerdania martyaniensis* Khaustov, 2010: 59**—Holotype female (NSCY), in soil under grass, “Cape Martyan” Nature Reserve, Crimea, Ukraine.

Superfamily **Tarsonemoidea** (4 species)

Family **Tarsonemidae** (4 species)

***Xenotarsonemus brachytegula* Lofego, Moraes & Ochoa, 2007: 2**—Holotype female (ESALQ/USP), from *Campomanesia pubescens* (DC.) (Myrtaceae), Pirassununga, State of São Paulo, Brazil.

***Xenotarsonemus cerrado* Lofego, Moraes & Ochoa, 2007: 7**—Holotype female (ESALQ/USP), from *Campomanesia pubescens* (DC.), Pirassununga, State of São Paulo, Brazil.

***Xenotarsonemus pirassunungaensis* Lofego, Moraes & Ochoa, 2007: 5**—Holotype female (ESALQ/USP), from *Campomanesia pubescens* (DC.), Pirassununga, State of São Paulo, Brazil.

***Xenotarsonemus spiniphorus* Lofego, Moraes & Ochoa, 2007: 11**—Holotype female (ESALQ/USP), from *Myrcia venulosa* DC. (Myrtaceae), Pirassununga, State of São Paulo, Brazil.

Superfamily **Trochometridioidea** (1 species)

Family **Trochometridiidae** (1 species)

Trochometridium kermanicum Mortazavi, Hajiqanbar & Saboori, 2011: 58—Holotype female (TMU, TkO-1), in bottom of a vial containing alcohol and two beetles of *Paulusiella* sp. (Coleoptera: Elateridae: Cebrioninae), Orzueeyeh, Baft city, Kerman province, southern Iran (28°27'65"N, 56°12'55"E, 1042 m).

Order **Sarcoptiformes** (278 species)

Suborder **Oribatida** (278 species)

Infraorder **Enarthronota** (10 species)

Superfamily **Atopochthonioidea** (2 species)

Family **Phyllochthoniidae** (2 species)

Phyllochthonius ovatosetosus Fuangarworn, 2010: 27—Holotype female (CUMN, CUMZ-AC2010.18), sandy soil at 0–30 cm depth from riparian zone of Pa-Sak River, Salaloy Subdistrict, Tharua District, Ayutthaya Province, Thailand (14°31'48.84"N, 100°42'5.38"E).

Phyllochthonius peniculus Fuangarworn, 2010: 30—Holotype female (CUMN, CUMZ-AC2010.39), forest litter, north entrance of Tharn-lod Cave, 80 km. NW of Kanchanaburi Province, Thailand (14°39'N, 99°18'E).

Superfamily **Hypochthonioidea** (6 species)

Family **Hypochthoniidae** (2 species)

Nothrolohmannia thailandica Fuangarworn & Lekprayoon, 2012: 45—Holotype female (CUMN-AC20012.01), Wua Ta Larb Island, Ang-Thong Archipelago National Park, Surat Thani Province, Thailand (9°38'12"N, 99°40'13"E).

Nothrolohmannia flagellate Fuangarworn & Lekprayoon, 2012: 49—Holotype female (CUMN-AC2012.07), from entrance of Manoa Phee Cave, Ban Khoa Wang Khamen, Sai Yok District, Kanchanaburi Prov., Thailand (14°21'08"N, 98°56'17"E).

Family **Mesoplophoridae** (2 species)

Apoplophora dentata Liu, Chen & Qiao, 2009: 52—Holotype (NZMC), litter, Mêdog County, Tibet, P. R. China (29°19'31.08"N, 95°19'59.51"E, 800 m).

Mesoplophora (Parplophora) brevicarinata Niedbala, 2008: 3—Holotype (DATE), litter from several sites, mountain rainforest, Batang Palupuh Natural Reserve, West Sumatra, Indonesia.

Family **Lohmanniidae** (2 species)

Papillacarus indistinctus Ermilov, Anichkin & Wu, 2012: 79—Holotype (ZIRAS), Dong Nai Biosphere Reserve, Dong Nai Province, Southern Vietnam (11°27'N, 107°22'E).

Papillacarus polysetosus Ermilov, Anichkin & Wu, 2012: 83—Holotype (ZIRAS), Dong Nai Biosphere Reserve, Dong Nai Province, Southern Vietnam (11°27'N, 107°22'E).

Superfamily **Protoplophoroidea** (2 species)

Family **Protoplophoridae** (2 species)

Arthrophlophora adjacentis Fuangarworn, 2011: 60—Holotype female (CUMN, CUMZ-AC-2010.40), leaf-litter of primary dry evergreen forest, Kaeng Krachan District, Petchaburi Province, Thailand (12°53'15"N, 99°21'57"E).

Protoplophora takensis Fuangarworn, 2011: 63—Holotype female (CUMN, CUMZ-AC-2010.52), leaf-litter and upper soil layer, Forest Reserves of the Plant Genetic Conservation Project at Bhumibol Dam, Sam-Ngoa Subdistrict, Srisawad District, Tak Province, Thailand (17°14'46.87"N, 98°59'45.66"E).

Infraorder **Mixonomata** (41 species)

Superfamily **Euphthiracaroidae** (18 species)

Family **Euphthiracaridae** (12 species)

Euphthiracarus aequalis Liu, Wu & Chen, 2011: 46—Holotype (NZMC, CJ-01-6), litter under shrub, Erdaoqiao, Kangding, Sichuan Province, P. R. China (30°6'N, 101°54'E, 2600 m).

Euphthiracarus carinatus Liu, Wu & Chen, 2011: 48—Holotype (NZMC, LD-07-149), litter Jiucaiping, Hezhang County, Guizhou Province, P. R. China (26°50'N, 104°41'E).

Euphthiracarus dilatatus Liu, Wu & Chen, 2011: 50—Holotype (NZMC, LD-07-51), litter under pine tree, Dongganxian, Bawangling National Nature Reserve, Changjiang Li Autonomous County, Hainan Province, P. R. China (19°03'12"N, 109°06'49"E, 1040 m).

Euphthiracarus flagellatus Liu, Wu & Chen, 2011: 50—Holotype (NZMC, CG070), tree hole, Peak of Guinongshan Mt., Xiahua, Napo County, Guangxi Province, P. R. China (23°12'24"N, 105°42'34"E, 1670 m).

Euphthiracarus longisetus Liu, Wu & Chen, 2011: 53—Holotype (NZMC, W-93-15), litter, Mangshan, Yizhang County, Hunan Province, P. R. China (24°58'43"N, 112°51'03"E).

- Euphthiracarus longulus* Liu, Wu & Chen, 2011: 55—Holotype (NZMC, W-91-6), litter, Longqishan Mt., Jiangle County, Fujian Province, P. R. China (26°16'39"N, 117°38'48"E).
- Euphthiracarus macrorostralis* Liu, Wu & Chen, 2012: 47—Holotype (NZMC), Sichuan Province, Songpan County, Huanglongsi, P. R. China (32°44'59.89"N, 103°57'40.32"E).
- Euphthiracarus medogensis* Liu, Wu & Chen, 2012: 49—Holotype (NZMC), Tibet, Mêdog County, P. R. China (29°19'31.07"N, 95°19'59.51"E).
- Euphthiracarus minimus* Liu, Wu & Chen, 2012: 51—Holotype (NZMC), Fujian Province, Jiangle County, Longqishan Mt., P. R. China (26°16'28.27"N, 117°38'40.70"E).
- Euphthiracarus oblongus* Liu, Wu & Chen, 2012: 51—Holotype (NZMC), Hubei Province, Badong County, P. R. China (30°42'18.35"N, 110°17'52.28"E).
- Euphthiracarus protrusus* Liu, Wu & Chen, 2012: 54—Holotype (NZMC), Fujian Province, Jiangle County, Longqishan Mt., P. R. China (26°16'28.27"N, 117°38'40.70"E).
- Euphthiracarus truncatus* Liu, Wu & Chen, 2012: 56—Holotype (NZMC), Guangdong Province, Zhaoqing City, Dinghushan National Nature Reserve, P. R. China (23° 9'35.51"N, 112°33'15.05"E).
- Family **Oribotritiidae** (4 species)
- Austrotritia didyma* Liu, Chen & Qiao, 2009: 57—Holotype (NZMC, W-89-142), litter, Yunshuidong, Fangshan District, Beijing, P. R. China (39°40'4.27"N, 115°48'48.92"E).
- Austrotritia fissurata* Liu, Chen & Qiao, 2009: 59—Holotype (NZMC), litter, Ningan City, Heilongjiang Province, P. R. China (43°59'30.24"N, 129°14'8.97"E).
- Mesotritia bicarinata* Liu & Chen, 2010: 44—Holotype (NZMC, Yao-21), litter, Sanbaoshu, Lushan Mt., Jiangxi Province, P. R. China (29°33'14.57"N, 115°59'0.34"E).
- Mesotritia serrata* Liu & Chen, 2010: 46—Holotype (NZMC, Yao-27), litter, Yuelushan Mt., Hunan Province, P. R. China (28°11'15.87"N, 112°55'25.76"E).
- Family **Synichotritiidae** (2 species)
- Synichotricha reticulata* Niedbała & Starý, 2010: 64—Holotype (DATE), sample of dry litter above road, mixed hardwood and hemlock forest, Cherohala Skyway, Charles Hall Bridge, Monroe County, North Carolina, USA (35°20.996N, 84°04.055W).
- Temburongia similanensis* Fuangarworn & Lekprayoon, 2011: 25—Holotype (CUMN, CUMZ-AC-2011.01), forest litter, Similan Is., Similan Archipelago National Park, Pang-Nga Province, Thailand (8°39'30"N, 97°38'46" E).
- Superfamily **Phthiracaroidae** (23 species)
- Family **Phthiracaridae** (23 species)
- Arphthiracarus pachetos* Niedbała, 2008: 10—Holotype (DATE), litter and epiphytes from several sites, lowland rainforest, Sepilok, Sabah, Borneo, Malaysia.
- Atropacarus (Atropacarus) parainsularis* Niedbała & Starý, 2011: 60—Holotype (DATE, ESP-92), growth of *Genista hispanica*, sample of dry rhizosphere, Puerto de Aliba, Spain.
- Atropacarus (Atropacarus) parastriculus* Niedbała & Starý, 2011: 61—Holotype (DATE, ESP-92), growth of *Genista hispanica*, sample of dry rhizosphere, Puerto de Aliba, Spain.
- Austrophthiracarus parainusitatus* Niedbała & Starý, 2011: 59—Holotype (DATE, ESP-28), sample of decaying wood of *Ruscus* sp., European chestnut forest with oak *Quercus pedunculata*, Galicia, Los Peares near Orange, Spain.
- Austrophthiracarus trapezoids* Fuangarworn & Lekprayoon, 2011: 31—Holotype (CUMN, CUMZ-AC-2011.02), forest litter, Payan Is., Similan Archipelago National Park, Pang-Nga Province, Thailand (8°30'56"N, 97°39'18"E).
- Hoplophthiracarus mielcareki* Niedbała, 2008: 10—Holotype (DATE), litter from several sites, lowland rainforest, Niah NP., Sarawak, Borneo, Malaysia.
- Hoplophthiracarus niahensis* Niedbała, 2008: 8—Holotype (DATE), litter from several sites, lowland rainforest, Niah NP., Sarawak, Borneo, Malaysia.
- Notophthiracarus abacus* Niedbała, 2008: 13—Holotype (DATE), litter and epiphytes from several sites, lowland rainforest, Sepilok, Sabah, Borneo, Malaysia.
- Phthiracarus paralaevigatus* Niedbała & Starý, 2010: 65—Holotype (DATE), spruce litter sample, climax spruce forest with dominant *Picea abies*, near trail down from Minčol to Vrútky, Malá Fatra Mts., Slovakia (49°06' 38,92' N, 18° 49' 37,46' E, 1240 m).
- Phthiracarus paralongulus* Niedbała & Starý, 2010: 66—Holotype (DATE), decaying fir wood sample, virgin climax forest with dominant white fir (*Abies alba*) and common beech (*Fagus sylvatica*), Žofínský prales, Novohradské hory Mts., South Bohemia, Czech Republic (48°40'04,4"N, 14°42'30,33"E, 798 m).

- Plonaphacarus bicarinatus* Liu, Wu & Chen, 2011: 6—Holotype (NZMC, H9405L2a), litter, Jianfengling National Forest Park, Hainan Province, P. R. China (18°41'48.4"N, 108°47'18.0"E).
- Plonaphacarus concavus* Liu, Wu & Chen, 2011: 8—Holotype (NZMC, W-89-117), litter, Xingdoushan Mt., Maoba, Lichuan City, Hubei Province, P. R. China (30°17'27.59"N, 108°56'10.95"E, 850 m).
- Plonaphacarus cristatus* Liu, Wu & Chen, 2011: 8—Holotype (NZMC, W-89-86), litter under broadleaf, Hefeng County, Hubei Province, P. R. China (29°53'15.83"N, 110°1'58.59"E).
- Plonaphacarus foveolatus* Liu, Wu & Chen, 2011: 11—Holotype (NZMC, L-0140), litter, Tiandu Peak of Mountain, Huangshan, Anhui Province, P. R. China (29°42'52.91"N, 118°20'14.91"E).
- Plonaphacarus hainanensis* Liu, Wu & Chen, 2011: 13—Holotype (NZMC, LD-07-51), litter under pine forest, Bawangling National Nature Reserve, Changjiang Li Autonomous County, Hainan Province, P. R. China (19°07'0.5"N, 109°05'6.3"E, 1040 m).
- Plonaphacarus hamulus* Niedbala, 2011 in Niedbala & Ermilov, 2011: 60—Holotype (DATE), mosses on trees, Bale Mountains National Park, Haremma Forest (wood species *Hagenia abissinica* forming the canopy), Ethiopia (6°42'N, 39°43'E, 2249 m).
- Plonaphacarus heterosetosus* Niedbala, 2008: 5—Holotype (DATE), litter and epiphytes from several sites, lowland rainforest, Sepilok, Sabah, Borneo, Malaysia.
- Plonaphacarus lanceolatus* Liu, Wu & Chen, 2011: 15—Holotype (NZMC, W-89-52), litter under bamboo and arbor forest, Wuyi Mt., Tianyou, Fujian Province, P. R. China (27°45'23.97"N, 118° 2'7.11"E).
- Plonaphacarus longicarinatus* Niedbala, 2008: 5—Holotype (DATE), litter from several sites, lowland rainforest, Niah NP., Sarawak, Borneo, Malaysia.
- Plonaphacarus protrusus* Liu, Wu & Chen, 2011: 15—Holotype (NZMC, W-89-31'), litter under bamboo, Guadun, Wuyi Mt., Fujian Province, P. R. China (27°45'23.97"N, 118° 2'7.11"E).
- Plonaphacarus rotundus* Liu, Wu & Chen, 2011: 18—Holotype (NZMC, W-97-7), litter under *Gnetum* sp., Dinghushan National Nature Reserve, Zhaoqing City, Guangdong Province, P. R. China (23°9'35.51"N, 112°33'15.05"E).
- Plonaphacarus rybalovi* Niedbala, 2011 in Niedbala & Ermilov, 2011: 62—Holotype (DATE), mosses on trees, Bale Mountains National Park, Haremma Forest (wood species *Hagenia abissinica* forming the canopy), Ethiopia (6°42'N, 39°43'E, 2249 m).
- Plonaphacarus sidorchukae* Niedbala, 2011 in Niedbala & Ermilov, 2011: 62—Holotype (DATE), soil, Haremma Forest (wood species, in particular, *Hagenia abissinica* forming the canopy), Bale Mountains National Park, Ethiopia (6°42'N, 39°43'E, 2249 m).

Infraorder **Desmonomata** (227 species)

Hyporder **Nothrina** (52 species)

Superfamily **Crotoniidea** (52 species)

Family **Crotoniidae** (28 species)

- Crotonia aculeata* Colloff, 2009: 16—Holotype (CNC), Berlese funnel extraction of roadside leaf litter in cloud forest, San Lorenzo, Guatemala.
- Crotonia alpine* Colloff & Perdomo, 2009: 3—Holotype female (MVMA), sieved litter, *Eucalyptus* forest, Eurobin Falls, Mount Buffalo National Park, Victoria, Australia (36°43'3"S, 146°50'29"E, 460 m).
- Crotonia blacki* Colloff & Perdomo, 2009: 16—Holotype female (MVMA), sieved litter, *Eucalyptus* forest, near summit of Mount Donna Buang, ca. 6 km NNW of Warburton, Australia (37°42'25"S, 145°40'43"E, 1240 m).
- Crotonia brisbanensis* Colloff, 2010: 9—Holotype female (QM, S26063), under logs and rocks, rainforest, Mount Brisbane, Queensland, Australia (27°05'S, 152°32'E, 450 m).
- Crotonia cameroni* Colloff, 2010: 30—Holotype female (QM, S26064), sieved litter, rainforest, Mount Dryander, Queensland, Australia (20°15'S, 148°33'E, 590 m).
- Crotonia carioca* Colloff, 2009: 8—Holotype male (NHM), Orchids. Dec 1888 C Balsam, Rio de Janeiro, Brazil
- Crotonia cornuta* Colloff & Perdomo, 2009: 5—Holotype female (MVMA, CRO-006), litter, in riparian zone, coastal *Angophora* and *Eucalyptus* forest, Quarry Beach, Mallacoota, Australia (37°35'18"S, 149°44'2"E, 20 m).
- Crotonia daviesae* Colloff, 2010: 22—Holotype female (QM, S26071), litter, complex notophyll vine forest, Tallawallal, Binna Burra, Lamington National Park, Queensland, Australia (28°12'S, 153°10'E).
- Crotonia eungella* Colloff, 2010: 32—Holotype male (QM, S26046), moss on trees and rocks, rainforest, Sky Window Lookout, Eungella National Park, Queensland, Australia (21°8'43"S 148°29'57"E, 771 m).
- Crotonia gadubanudi* Colloff & Perdomo, 2009: 23—Holotype female (MVMA), litter and moss, Otway Ranges, Victoria, Australia (250–350 m).

- Crotonia gorgonia* Colloff, 2010: 2**—Holotype female (QM, S26076), pyrethrum knock-down, subtropical rainforest, North-east summit, Mt. Gower, Lord Howe Is., Australia (31°34'58"S, 159°05'01"E, 850 m).
- Crotonia macfadyeni* Colloff, 2009: 3**—Holotype female (ANIC), under tussocks of whitegrass, *Cortaderia pilosa*, Gun Hill, Christmas Harbour, West Falkland, Falkland Islands.
- Crotonia maculata* Colloff, 2010: 12**—Holotype female (QM, S26066), sieved litter, rainforest, 5 km east of Benarkin, Blackbutt Range, Queensland, Australia (26°52'S, 152°11'E, 350 m).
- Crotonia momittoi* Colloff & Perdomo, 2009: 10**—Holotype female (MVMA), moss *Dicranoloma billardierei*, The Beeches, Lady Talbot Drive, near Warburton, Yarra Ranges National Park, Victoria, Australia (37°29'13.53"S, 145°49'59"E, 800 m).
- Crotonia monteithi* Colloff, 2010: 20**—Holotype female (QM, S26052), sieved litter, rainforest, Cape Tribulation, Queensland, Australia (16°05'S, 145°27'E).
- Crotonia norfolkensis* Colloff, 2010: 7**—Holotype female (QM, S26077), pyrethrum knockdown, rainforest, Mount Pitt Reserve, Norfolk Island, Australia (29°0'52.04"S, 167°56'3.63"E, 230 m).
- Crotonia pyemaireneri* Colloff, 2009: 47**—Holotype female (ANIC), Mt. Michael, a pyrethrin knockdown from a tree trunk (height up to 4–5 m) in a 2 hectare remnant of callidendrous rainforest dominated by *Nothofagus cunninghami*, a protected gully between Mount Michael and Little Mount Michael, ca. 9 km east of Weldborough, Tasmania, Australia (41°10'S, 148°00'E).
- Crotonia queenslandiae* Colloff, 2010: 35**—Holotype female (QM, S26062), malaise trap, rainforest, Mount Glorious, Queensland, Australia (27°20'S, 152°46'E, 570 m).
- Crotonia raveni* Colloff, 2010: 40**—Holotype female (QM, S26056), litter, closed forest, Gold Creek Reservoir, Brookfield, Queensland, Australia (27°30'S 152°55'E, 135 m).
- Crotonia seemani* Colloff, 2010: 37**—Holotype female (QM, S26046), moss on trees and rocks, Sky Window Lookout, Eungella National Park, Queensland, Australia (21°10'S, 148°31'E, 771 m).
- Crotonia sterigma* Colloff, 2010: 4**—Holotype female (QM, S26070), stick brushing, rainforest, Nob Creek, Byfield, Queensland, Australia (22°52'S, 150°37'E, 200 m).
- Crotonia tasmaniana* Colloff, 2009: 45**—Holotype female (ANIC), Mt. Michael, a pyrethrin knockdown from a tree trunk (height up to 4–5 m) in a 2 hectare remnant of callidendrous rainforest dominated by *Nothofagus cunninghami*, a protected gully between Mount Michael and Little Mount Michael, ca. 9 km east of Weldborough, Tasmania, Australia (41°10'S, 148°00'E).
- Crotonia utricularia* Colloff, 2010: 9**—Holotype female (ANIC, No. 3510), trough of flight intercept trap, forest, Red Road Track, Norfolk Island National Park, Australia (29° 0'37.73"S, 167°56'43.49"E, 250 m).
- Crotonia valdivia* Colloff, 2009: 10**—Holotype female (CNC, RAN 86-18), litter in Valdivian temperate rainforest, Bosque de Fray Jorge National Park, Limar Province, Chile (580 m).
- Crotonia victoriae* Colloff & Perdomo, 2009: 8**—Holotype female (MVMA), sieved litter and wood, open *Eucalyptus* forest, on Acheron Way, 2 km south of junction with Marysville Rd., ca. 18 km north-east of Healesville, Victoria, Australia (37°33'38"S, 145°40'49"E, 440 m).
- Crotonia wallworki* Colloff, 2009: 13**—Holotype female (CNC, RAN 86-18), litter from Valdivian temperate rainforest, 580 m, Bosque de Fray Jorge National Park, Limar Province, Chile (580 m).
- Crotonia weiri* Colloff, 2010: 25**—Holotype female (QM), litter and moss under *Nothofagus moorei*, Mount Bithongabel, Lamington National Park, Queensland, Australia (28°15'46"S, 153°10'17"E, 1190 m).
- Crotonia yeatesi* Colloff, 2010: 27**—Holotype female (QM, S26053), moss on trees and rocks, open woodland, Nothofagus Mountain, 12 km north of Woodenbong, New South Wales, Australia (28°17'S, 152°37'E).

Family **Hermanniidae** (16 species)

- Phyllhermannia acalepha* Colloff, 2011: 6**—Holotype female (ANIC, 3751), sifted litter and mossy logs, rainforest with *Eucalyptus* sp., Lyrebird Nature Walk, 3.3 km SE Mt. Field East, Mount Field National Park, Tasmania, Australia (42°40'46"S, 146°40'15"E, 690 m).
- Phyllhermannia bandabanda* Colloff, 2011: 10**—Holotype female (ANIC, 672), Moss under *Nothofagus moorei*, Mt Banda Banda, 42 km WSW of Kempsey, New South Wales, Australia.
- Phyllhermannia colini* Colloff, 2011: 12**—Holotype female (ANIC, MJC 10-003), Moss on soil, *Eucalyptus* and *Banksia* woodland with *Pinus radiata*, junction of Walls Cave Road and Evans Lookout Road, Blackheath, Blue Mountains, New South Wales, Australia (33°39'1.22"S, 150°18'21.19"E, 1025 m).
- Phyllhermannia craticula* Colloff, 2011: 16**—Holotype female (ANIC), pyrethrin knockdown from tree trunk in calliden-drous rainforest dominated by *Nothofagus cunninghami*, in a protected gully between Mount Michael and Little Mount Michael, ca. 9 km east of Weldborough, Tasmania, Australia (41°10'S, 148°00'E, 740 m).

- Phyllhermannia croajingolongensis* Colloff, 2011: 18**—Holotype female (ANIC, CRO-003), litter under shrubs, coastal *Angophora* and *Eucalyptus* forest, Quarry Beach, Mallacoota, Croajingolong National Park, Victoria, Australia (37°35'18"S, 149°44'2"E, 20 m).
- Phyllhermannia errinundrae* Colloff, 2011: 19**—Holotype female (ANIC), moss on trunk of Sassafras (*Atherosperma moschatum*), cool temperate rainforest, Errinundra Saddle, Errinundra National Park, Victoria, Australia (37°19'18"S, 148°51'11"E, 1030 m).
- Phyllhermannia gigas* Colloff, 2011: 22**—Holotype female (ANIC, 299), litter, wet sclerophyll forest, Mount Donna Buang, Yarra Ranges National Park, Victoria, Australia (37°42'S, 145°41'E, 1050 m).
- Phyllhermannia huntii* Colloff, 2011: 23**—Holotype female (ANIC, 298), litter, wet sclerophyll forest, Black Spur, south of Marysville, Victoria, Australia (37°30'S, 145°53'E, 380 m).
- Phyllhermannia leei* Colloff, 2011: 25**—Holotype female (ANIC, 298), litter, wet sclerophyll forest, Black Spur, south of Marysville, Victoria, Australia (37°30'S, 145°53'E, 380 m).
- Phyllhermannia lemnae* Colloff, 2011: 27**—Holotype female (ANIC, 3757), sifted litter and mossy logs, rainforest with *Eucalyptus* sp., State Forest, 2.2 km NE Corinna, Tasmania, Australia (41°38'43"S, 145°05'50"E, 45 m).
- Phyllhermannia leonilae* Colloff, 2011: 34**—Holotype female (ANIC, MTB-031), soil and moss on burnt rocky slope, *Eucalyptus* forest, Mount Buffalo National Park, Victoria, Australia (36°42'39"S, 146°50'06"E, 620 m).
- Phyllhermannia luxtoni* Colloff, 2011: 35**—Holotype female (ANIC), pyrethrin knockdown from tree trunk in callidendrous rainforest dominated by *Nothofagus cunninghami*, in a protected gully between Mount Michael and Little Mount Michael, 9 km east of Weldborough, Tasmania, Australia (41°10'S, 148°00'E, 740 m).
- Phyllhermannia namadjiensis* Colloff, 2011: 37**—Holotype female (ANIC), *Eucalyptus* forest, 2 km from Corin Dam, Namadji National Park, Australian Capital Territory, Australia (35°32'6.54"S, 148°49'58.31"E).
- Phyllhermannia sauli* Colloff, 2011: 39**—Holotype female (ANIC), moss on trunk of Sassafras (*Atherosperma moschatum*), cool temperate rainforest, Errinundra Saddle, Errinundra National Park, Victoria, Australia (37°19'18"S, 148°51'11"E, 1030 m).
- Phyllhermannia strigosa* Colloff, 2011: 47**—Holotype female (ANIC), pyrethrin knockdown from tree trunk in callidendrous rainforest dominated by *Nothofagus cunninghami*, in a protected gully between Mount Michael and Little Mount Michael, 9 km east of Weldborough, Tasmania, Australia (41°10'S, 148°00'E, 740 m).
- Phyllhermannia tanjili* Colloff, 2011: 49**—Holotype female (ANIC, MJC 10-001), Moss on rocks, riparian rainforest gully, entrance to Coachwood Glen Nature Trail, Megalong Road, 3 km SSW of junction with Great Western Highway, Blue Mountains, nr. Blackheath, NSW, Australia (33°39'38"S, 150°16'20"E, 820 m).

Family **Nothridae** (8 species)

- Novonothrus barringtonensi* Colloff, 2011: 5**—Holotype female (ANIC, 758), leaf litter and ferns, *Nothofagus moorei* rain forest, 3 km west. of Moppy Lookout, Barrington Tops State Forest, New South Wales, Australia (31°54'S, 151°31'E).
- Novonothrus coronospinosus* Colloff, 2011: 8**—Holotype female (ANIC, 770), litter under *Nothofagus moorei*, Wiangaree State Forest, New South Wales, Australia (28°22'S, 153°05'E, 1050 m).
- Novonothrus glabriseta* Colloff, 2011: 12**—Holotype female (ANIC, 3757), sifted litter and mossy logs, rain forest with *Eucalyptus* sp., State Forest, 2.2 km N.E. of Corinna, Tasmania, Australia (41°38'43"S, 145°05'50"E, 45 m).
- Novonothrus nothofagii* Colloff, 2011: 18**—Holotype female (ANIC), moss (*Dicranoloma billiardieri*), *Nothofagus cunninghami* forest, The Beeches, Lady Talbot Drive near Warburton, Yarra Ranges National Park, Victoria, Australia (37°29'14"S, 145°49'59"E, 800 m).
- Novonothrus silvanus* Colloff, 2011: 20**—Holotype female (ANIC, 4016), moss on trunk of Sassafras (*Atherosperma moschatum*), cool temperate rain forest, Errinundra Saddle, Errinundra National Park, Victoria, Australia (37°19'18"S, 148°51'11"E, 1030 m).
- Trichonothrus hallidayi* Colloff, 2011: 31**—Holotype (ANIC, 297), moss and litter, rain forest with *Nothofagus cunninghami*, Cumberland Creek Valley, nr. Cumberland Memorial Picnic Area [Cumberland Scenic Reserve], Yarra Ranges National Park, Victoria, Australia (37°34'S, 145°52'E, 920 m).
- Nothrus bilongisetosus* Ermilov & Hugo-Coetzee, 2012: 30**—Holotype female (NMBS, 3662.38.1), Eastern Cape, Cintsas, South Africa (32°48'S, 28°05'E).
- Nothrus monolongisetosus* Ermilov & Hugo-Coetzee, 2012: 35**—Holotype female (NMBS, 1744.1.1), Free State, near Heilbron, South Africa (27°17'S, 28°03'E).

Hyporder **Brachypylina** (106 species)

Superfamily **Plateremaeoidea** (2 species)

Family **Licnodamaeidae** (2 species)

- Licnodamaeolus asetosus* Ermilov & Hugo-Coetzee, 2012: 33**—Holotype female (NMBS), from Erfenis Dam Nature Reserve, central South Africa (28°30'S, 26°48'E).
- Licnodamaeolus erfenisdamensis* Ermilov & Hugo-Coetzee, 2012: 38**—Holotype male (NMBS), from Erfenis Dam Nature Reserve, central South Africa (28° 30'S, 26°48'E).
- Superfamily **Damaeioidea** (7 species)
Family **Damaeidae** (7 species)
- Damaeus (Tectodamaeus) cordatus* Xie & Yang, 2010: 60**—Holotype male (GUGC), litter under Pteridophytes, Mt. Jinggang, Ji An City, Jiangxi province, P. R. China (26°34'25.04"N, 114°10'38.05"E, 950 m).
- Dyobelba behanae* Bayartogtokh & Norton, 2007: 46**—Holotype male (FM), litter at base of spruce tree in mixed *Picea rubens*–*Betula alleghaniensis* forest, 5 miles south from entrance road to Mt. Mitchell State Park, Blue Ridge Parkway, Yancey Co., North Carolina, USA.
- Dyobelba dindali* Bayartogtokh & Norton, 2007: 50**—Holotype (FM), litter under yellow birch and rhododendron on hillside, just S of state line, Rt 441, Sevier Co., Tennessee, USA.
- Dyobelba granulata* Bayartogtokh & Norton, 2007: 57**—Holotype female (FM), litter at base of red spruce in spruce, yellow birch forest, 5 miles south from entrance road to Mt. Mitchell State Park, Blue Ridge Parkway, Yancey Co., North Carolina, USA.
- Dyobelba crossleyi* Bayartogtokh & Norton, 2007: 60**—Holotype female (FM), litter under large live oak, 13 miles north of Florida, state line, US Rt. 19, Thomas Co., Georgia, USA.
- Metabelba (Pateribelba) denscanis* Mourek, Miko & Bernini, 2011: 7**—Holotype female (HNHM), old beech (*Fagus sylvatica* Linnaeus) forest with young hornbeam (*Carpinus betulus* Linnaeus) in the understory, mixed leaf litter, northwestern slope of the Medník hill, the Medník National Reserve, central Bohemia, Czech Republic (49°52'26"N, 14°26'44" E, 280 m).
- Porobelba weigmanni* Miko, 2008: 56**—Holotype female (SMNG, Nr. LM-319-88), moist litter of *Tilio-Acerion* forests on limestone screes, with *Tilia*, *Fagus*, *Acer* and *Phyllitis*, on north-west slope of Kláštorňá hora hill, Pieniny National Park, North-East Slovakia.
- Superfamily **Microzetoidea** (1 species)
Family **Microzetidae** (1 species)
- Miracarus grootaerti* Wauthy & Ducarme, 2011: 2**—Holotype female (RBNS, IG 31020), grotto of 'Vieux Banc' located in the park of Freyr, village of Hastière, near Dinant, Belgium.
- Superfamily **Ameroidea** (2 species)
Family **Ameridae** (2 species)
- Hymenobelba exclamationis* Mahunka, 2010: 63**—Holotype (HNHM, Afr-923), Maromizaha forest, Toamasina Province, Malagasy Republic.
- Pteramerus clypeatus* Mahunka, 2010: 65**—Holotype (HNHM, Afr-923), Maromizaha forest, Toamasina Province, Malagasy Republic.
- Superfamily **Gustavioidea** (9 species)
Family **Astegistidae** (3 species)
- Cultroribula altaica* Bayartogtokh, 2012: 45**—Holotype female Mts. Mongol Altai, close to Lake Dayan, District Sagsai, Province Bayan-Ulgii, Mongolia (N48°14', E88°57').
- Cultroribula rarisetosa* Bayartogtokh, 2012: 49**—Holotype female Mts. Mongol Altai, close to Lake Dayan, District Sagsai, Province Bayan-Ulgii, Mongolia (N48°15', E88°54').
- Cultroribula taigatica* Bayartogtokh, 2007: 59**—Holotype male (NUMU), litter and soil of cool temperate larch forest in taiga zone, Khonin Nuga area, District Mandal, Province Selenge, Mongolia (49°20'N, 107°40'E, 1720 m).
- Family **Peloppiidae** (6 species)
- Ceratoppia indentata* Lindo, 2011: 4**—Holotype female (CNC, No. 23974), forest floor below western redcedar, Upper Walbran Valley, Vancouver Island, British Columbia, Canada (48°39'N, 124°35'W).
- Ceratoppia longicuspis* Lindo, 2011: 7**—Holotype female (CNC, No. 23975), suspended soil at 35 m in canopy of western redcedar (*Thuja plicata* D. Don), Upper Walbran Valley, Vancouver Island, British Columbia, Canada (48°39'N, 124°35'W).
- Ceratoppia tofinoensis* Lindo, 2011: 11**—Holotype female (CNC, No. 23977), moss in canopy of Sitka spruce (*Picea sitchensis* (Bong.) Carr.), Clayoquot Sound, Sydney Inlet, Vancouver Island, British Columbia, Canada (49°30'N, 126°17'W).
- Ceratoppia valerieae* Lindo, 2011: 14**—Holotype female (CNC, No. 23978), suspended soil and bark scraping at 30 m in western redcedar (*Thuja plicata* D. Don), Clayoquot Sound, Upper Walbran Valley, Vancouver Island, British

Columbia, Canada (48°39'N, 124°35'W).

***Ceratoppia offarostrata* Lindo, 2011: 17**—Holotype female (CNC, No. 23976), bark scraping at 16 m in western redcedar (*Thuja plicata* D. Don), Clayoquot Sound, Upper Walbran Valley, Vancouver Island, British Columbia, Canada (48°39'N, 124°35'W).

***Dendrozetes jordani* Lindo, Clayton & Behan-Pelletier, 2010: 12**—Holotype female (CNC, No. 23909), branch tips on western hemlock (*Tsuga heterophylla* (Rafn.) Sarg.), Mt. Cain, Vancouver Island, British Columbia, Canada (50°13'N, 126°18'W, 740–850 m).

Superfamily **Carabodoidea** (11 species)

Family **Carabodidae** (6 species)

***Austrocarabodes crassimarginatus* Hugo-Coetzee, 2011: 9**—Holotype (NMBS, 3716.1.1), coastal dune forest and exotic *Acacia* stands, St Lucia Mission Rocks in KwaZulu-Natal in open grassland, South Africa (28°04'S, 32°32'E).

***Austrocarabodes hendriksi* Hugo-Coetzee, 2008: 26**—Holotype (NMBS, No. 3419.16.1), decomposed plant debris under indigenous trees, grassland biome, at Wolfkop, a farm between Bloemfontein and Petrusburg, South Africa (29°08'S, 25°51'E).

***Austrocarabodes longisetosus* Hugo-Coetzee, 2011: 6**—Holotype (NMBS, 1807.3.1), soil and plant debris underneath *Leucosidea sericea*, Royal Natal National Park in KwaZulu-Natal, South Africa (28°39'S, 29°03'E).

***Austrocarabodes luciensis* Hugo-Coetzee, 2008: 32**—Holotype (NMBS, No. 3752.9.1), St Lucia in coastal forest soil, Indian Ocean Coastal Belt biome, South Africa (28°26'S, 32°14'E).

***Austrocarabodes nortoni* Hugo-Coetzee, 2011: 2**—Holotype (NMBS, 3303.14.1), humid soil and decomposed plant debris near the beach, Kogel Bay in the Western Cape, South Africa (34°02'S, 18°43'E).

***Austrocarabodes vernoncrookensis* Hugo-Coetzee, 2008: 30**—Holotype (NMBS, No. 3480.11.1), soil and leaf debris under shrubs, Savanna biome, at Vernon Crookes Nature Reserve, South Africa (30°22'S, 30°35'E).

Family **Nippobodidae** (5 species)

***Leobodes carinatus* Chen & Wang, 2007: 48**—Holotype (NZMC), Mèdog County, Xizang Autonomous Region, P. R. China (29.2°N, 95.3°E).

***Leobodes praeconcaus* Chen & Wang, 2007: 50**—Holotype (NZMC, CJ-01-98), litter under shrub, Zham, Nyalam County, Xizang Autonomous Region, P. R. China (27.9°N, 85.9°E, 2670 m).

***Nippobodes flagellifer* Chen & Wang, 2007: 54**—Holotype (NZMC, W-96-4), litter under broadleaf forest, Dinghu Mt., Zhaoqing City, Guangdong Province, P. R. China (23.1°N, 112.5°E).

***Nippobodes peniculatus* Chen & Wang, 2007: 55**—Holotype (NZMC, W-90-65), litter under forest, Shejiaping, Longxi Mt., Jiangle County, Fujian Province, P. R. China (26.5°N, 117.2°E).

***Nippobodes pseudobrevisetiger* Chen & Wang, 2007: 57**—Holotype (NZMC, CG079), litter under broadleaf forest, Shengtang Mt., Jinxiu County, Guangxi Zhuang Autonomous Region, P. R. China (23.9°N, 110.1°E).

Superfamily **Oppioidea** (7 species)

Family **Machuellidae** (1 species)

***Machuella turcica* Baran & Ayyildiz, 2007: 58**—Holotype female (AUET), moss on rock, Karayazi, Geyikli, Erzurum, Turkey (39°.42'N, 42°.09'E).

Family **Oppiidae** (6 species)

***Anomaloppia mazandaranica* Akrami & Subias, 2007: 65**—Holotype (SUI, 3509), soil, Asram village, Soorak, Mazandaran province, Iran (36°61'N, 53°23'E, 28 m).

***Cosmogneta ozkani* Toluk, Ayyildiz & Subías, 2007: 64**—Holotype (EUKT, YÇMP-382), soil from *Pinus nigra* and *Quercus* spp. forest, Yozgat Pine Grove National Park, Turkey (39°48.141'N, 034°48.742' E, 1498 m).

***Oppiella (Perspicuoppia) turcica* Toluk & Ayyildiz, 2009: 40**—Holotype (EUKT), litter and soil under *Juniperus oxycedrus*, Artvin, Ardanuç, Turkey (1200 m).

***Oxyoppia (Dzarogneta) ilicaensis* Baran & Ayyildiz, 2007: 59**—Holotype (AUET), litter under oak tree, Ilıca, Erzurum, Turkey (39°57'N, 41°06'E).

***Rhinoppia emarginata* Toluk & Ayyildiz, 2009: 36**—Holotype (EUKT), litter and soil under *Corylus avellana*, Şenköy, Arhavi, Artvin, Turkey (41°19'10.65"N, 41°20'39.30"E, 90 m).

***Rhinoppia exobothridialis* Toluk & Ayyildiz, 2009: 34**—Holotype (EUKT), litter and soil under *Corylus avellana*, Arhavi, Artvin, Turkey (41°19'47.37"N, 41°14'43.66"E, 10 m).

Superfamily **Ameronothroidea** (1 species)

Family **Fortuyniidae** (1 species)

***Alismobates inexpectatus* Pfingstl & Schuster, 2012: 3**—Holotype female (SMNG, Nr. 81/47300), Bermuda, Tobacco Bay, Germany.

Superfamily **Cymbaeremaeoidea** (23 species)

Family **Cymbaeremaeidae** (23 species)

- Scapheremaeus alisonae* Colloff, 2010: 3—Holotype female (ANIC), leaf litter, remnant mallee eucalypt vegetation, Mallee Research Station, Walpeup, Victoria, Australia (35°6'55.10"S, 142°2'43.69"E).
- Scapheremaeus allmani* Colloff, 2010: 5—Holotype female (ANIC), galled twig of *Ficus* sp., Lismore, New South Wales, Australia.
- Scapheremaeus angusi* Colloff, 2009: 19—Holotype (ANIC), pitfall trap, *Casuarina* woodland, 79 km NNW Renmark, South Australia (33°31'S, 140°24'E).
- Scapheremaeus baylyi* Colloff, 2010: 8—Holotype female (ANIC), 2–4 cm-deep temporary rock pools on granite outcrop, Cable Beach, Torndirrup National Park, Western Australia (35°07'S 117°54'E).
- Scapheremaeus bulbosensillatus* Colloff, 2010: 11—Holotype female (ANIC), co-occurring with white wax scale *Ceroplastes destructor* (Hemiptera: Coccidae), on Large-leaf Hop-bush, *Dodonaea triquetra* J.C. Wendl., Sydney, New South Wales, Australia.
- Scapheremaeus cheloniella* Colloff, 2009: 13—Holotype (ANIC), pitfall trap, Mallee eucalypt vegetation on dune, 14 km WNW Renmark, South Australia (34°07'S, 140°37'E).
- Scapheremaeus euthemellus* Colloff, 2010: 14—Holotype female (ANIC), pyrethrin knock-down sample from mosses on a tree trunk, callidendrous rainforest dominated by *Nothofagus cunninghami*, on the slopes of Mount Victoria, within 100–500 m. of the walking track, Mount Victoria Forest Reserve, Tasmania, Australia (41°20'S, 147°50'E, 900 m).
- Scapheremaeus ewani* Colloff, 2009: 24—Holotype (ANIC), gutter of flight intercept trap, *Casuarina* woodland, 79 km, NNW Renmark, South Australia (33°31'S, 140°24'E).
- Scapheremaeus lambieae* Colloff, 2009: 21—Holotype (ANIC), pitfall trap, *Casuarina* woodland, 79 km NNW Renmark, South Australia (33°31'S, 140°24'E).
- Scapheremaeus minjambuta* Colloff, 2010: 16—Holotype female (ANIC, MTB-032), soil and moss, burnt area, *Eucalyptus* forest, Mount Buffalo National Park, Australia (36°42'39"S, 146°50'06", 621 m).
- Scapheremaeus nivalis* Colloff, 2010: 18—Holotype female (ANIC), lichen (*Usnea* sp.) on *Melaleuca* sp., Snowy River, 1 km south of Willis, New South Wales, Australia (36°56'S, 148°25'E).
- Scapheremaeus notoverrucatus* Colloff, 2010: 18—Holotype female (ANIC, TAS-183), litter, *Eucalyptus* forest, Old Farm Road, Mt. Wellington, Tasmania, Australia (42°54'S, 147°14'E).
- Scapheremaeus pacificus* Colloff, 2011: 25—Holotype female (ANIC, 3509), trough of flight intercept trap, Red Road Track, Norfolk Island National Park, Australia (29°01'S, 167°57'E).
- Scapheremaeus pinguis* Colloff, 2011: 31—Holotype female (ANIC, 3505), trough of flight intercept trap, Filmy Fern Gully, Norfolk Island National Park, Australia (29°01'S, 167°57'E, 180 m).
- Scapheremaeus pulleni* Colloff, 2009: 16—Holotype (ANIC), pitfall trap, Mallee eucalypt vegetation on dune-swale system, 14 km WNW Renmark, South Australia (34°07'S, 140°37'E).
- Scapheremaeus rodickae* Norton, Franklin & Crossley Jr, 2010: 2—Holotype (GMNH), Rocks and Shoals Natural Area, Clarke County, Georgia, USA (33°53'15.5"N, 83°20'0.60" W, 230 m).
- Scapheremaeus tegulatus* Colloff, 2010: 22—Holotype female (ANIC), pyrethrin knock-down sample from mosses on a tree trunk, callidendrous rainforest dominated by *Nothofagus cunninghami*, on the slopes of Mount Victoria, within 100–500 m. of the walking track, Mount Victoria Forest Reserve, Tasmania, Australia (41°20'S, 147°50'E, 900 m).
- Scapheremaeus truncatus* Colloff, 2010: 24—Holotype female (ANIC, MTB-032), soil and moss, burnt area, *Eucalyptus* forest, Mount Buffalo National Park, Australia (36°42'39"S, 146°50'06", 621 m).
- Scapheremaeus tuberculosus* Colloff, 2010: 26—Holotype (ANIC), foliage of *Banksia ilicifolia* and *Nuytsia floribunda*, Jandakot Airport, Perth, Western Australia.
- Scapheremaeus tumidus* Colloff, 2011: 28—Holotype female (ANIC, 3507), trough of flight intercept trap, Mauge Jowett's [garden] (Red Road), Norfolk Island, Australia (29° 0'38"S, 167°56'44"E, 250 m).
- Spineremaeus smithi* Colloff, 2011: 21—Holotype female (ANIC, 3505), trough of flight intercept trap, Filmy Fern Gully, Norfolk Island National Park, Australia (29°01'S, 167°57'E, 180 m).
- Scapheremaeus walteri* Colloff, 2010: 28—Holotype (ANIC), roots of *Asplenium* sp. on fallen *Ficus* sp., O'Reilly's, Lamington National Park, Queensland, Australia (28°19'S, 153°05'E).
- Scapheremaeus zephyrus* Colloff, 2010: 30—Holotype female (ANIC), litter, coastal heathland, Little Target, Beecroft Peninsula, New South Wales, Australia (35°03'S, 150°48'E).

Superfamily **Eremaozetoidea** (10 species)

Family **Eremaozetidae** (10 species)

- Eremaozetes aokii* Colloff, 2012: 4—Holotype (NSMT), from soil and roots of grasses on Tonaki Island, Ryukyu Islands, Japan
- Eremaozetes schatzi* Colloff, 2012: 4—Holotype female (ANIC), leaf litter, native shrub vegetation, McMinns Lagoon, near Darwin, Northern Territory, Australia (12°33'S, 131°04'E).
- Eremaozetes darwinensis* Colloff, 2012: 8—Holotype female (ANIC), leaf litter, native shrub vegetation, McMinns Lagoon, near Darwin, Northern Territory, Australia (12°33'S, 131°04'E).
- Eremaozetes malleensis* Colloff, 2012: 10—Holotype male (ANIC), gutter of flight intercept trap, Mallee eucalypt woodland on dune-swale system, Bookmark Biosphere Reserve, 31 km N.W. of Renmark, South Australia (33°59'S, 140°30'E).
- Rogerzetes samueli* Colloff, 2012: 16—Holotype female (ANIC 961), grass and moo-oo (*Cyperus lucidus* R.Br.) area, Ball Bay, Norfolk Island, Australia (29°03'S, 167°59'E).
- Retrozetes koghisensis* Colloff, 2012: 19—Holotype (ANIC 580), leaf litter, rainforest, Mount Koghis, New Caledonia (22°11'S, 166°31'E).
- Retrozetes mirabilis* Colloff, 2012: 22—Holotype (ANIC 585), leaf litter, rainforest, Dumbea, New Caledonia (22°05'S, 166°27'E).
- Retrozetes novaecaledoniae* Colloff, 2012: 24—Holotype female (ANIC 587), leaf litter, rainforest, Montagne des Sources, New Caledonia (22°09'S, 166°35'E)
- Retrozetes fernandezi* Colloff, 2012: 27—Holotype (ANIC 414), litter, rainforest, near Vanimo, Papua New Guinea (2°42'S 141°18'E).
- Idiozetes hagenensis* Colloff, 2012: 29—Holotype (ANIC 419), near Mount Hagen, Papua New Guinea (5°52'S, 144°15'E).

Superfamily **Licneremaeoidea** (3 species)

Family **Adhaesozetidae** (2 species)

Phylleremus leei Behan-Pelletier & Walter, 2007: 4—Holotype female (ANIC), leaves of *Sarcopteryx stipata* (F. Muell.) Radlk, Mt. Warning National Park, NSW, Australia (28°23'S, 153°17'E).

Phylleremus hunti Behan-Pelletier & Walter, 2007: 4—Holotype female (ANIC), leaf of *Pomaderris aspera*, Wilson's Promontory National Park, Victoria, Australia (38°55'S, 146°23'E, 100 m).

Family **Scutoverticidae** (1 species)

Scutovertex arenocolus Pfingstl & Schäffer, 2009: 36—Holotype female (HUB, Colnr. ZMB 47959), epilittoral of the sandy beach near Darss-Zingst, Mecklenburg-Western Pomerania, German Baltic coast, Germany.

Superfamily **Phenopelopoidea** (1 species)

Family **Unduloribatidae** (1 species)

Unduloribates diana Behan-Pelletier & Walter, 2009: 50—Holotype female (CNC, No. 23904), *Arctostaphylos*, *Vaccinium* litter at edge of cliff, Skyline Trail, Cape Breton Highlands National Park, Nova Scotia, Canada.

Superfamily **Oribatelloidea** (17 species)

Family **Oribatellidae** (17 species)

Oribatella flagellata Behan-Pelletier, 2011: 13—Holotype male (CNC, No. 23954), *Trametes versicolor* (L.) polypore fungi and lichen on hardwood, 6km W Troutdale, Hwy 603 at Fox Creek, Grayson Co., Virginia, USA.

Oribatella jacoti Behan-Pelletier, 2011: 16—Holotype female (FM, FMHD #85-128), red and chestnut oak, sugar maple litter on ridge top, Mo. Campus, Hinkson Creek S Univ, Boone Co., Missouri, USA.

Oribatella metzi Behan-Pelletier, 2011: 21—Holotype female (CNC, No. 23956.), Duke Forest, Durham Co., North Carolina, USA.

Oribatella nortoni Behan-Pelletier, 2011: 30—Holotype female (CNC, No. 23957), Auburn in coastal plain, nr., Lee Co., Alabama, USA.

Oribatella texana Behan-Pelletier, 2011: 47—Holotype female (CNC, No. 23958), palmetto and oak litter, Guadeloupe State Park, Kendall Co., Texas, USA (29°52.443N 98°29.139W).

Oribatella transtriata Behan-Pelletier, 2011: 50—Holotype male (CNC, No. 23959), lichens and moss on trunks of maple about 2 m above ground, Aspy Trail, Cape Breton Highlands National Park, Canada.

Oribatella abmi Behan-Pelletier & Walter, 2012: 5—Holotype female (CNC), from upper organic soil, layer in open field with grasses and sedges, Alberta, ABMI Site 1438 (51.10178757, -111.487175), 8 km east of Pollockville along Township Road 250, Canada.

Oribatella banksi Behan-Pelletier & Walter, 2012: 11—Holotype female (CNC), from *Quercus durata*, California, Tehama Co., 4mi SW Platina Beegum Creek, 2250', USA.

- Oribatella ewingi* Behan-Pelletier & Walter, 2012: 16**—Holotype female (CNC), from redwood litter, California, Matea Co., 6 mi SE Halfmoon Bay, USA.
- Oribatella heatherae* Behan-Pelletier & Walter, 2012: 19**—Holotype female (CNC), from moss and lichens among rocks on alpine scree slope, Alberta, Kananaskis Country, Fortress Mt., Canada.
- Oribatella manningensis* Behan-Pelletier & Walter, 2012: 24**—Holotype female (CNC), from moss and bark on standing dead Douglas fir; British Columbia, Manning Provincial Park, Skyline Trail, Canada.
- Oribatella maryae* Behan-Pelletier & Walter, 2012: 27**—Holotype male (CNC), from litter of Lawson's Cypress and Tan-oak, Oregon, Curry Co., Siskiyou National Forest, Shrader Old Growth Trail, 10 mi on Jerry's Flat Road to Agness, USA (42°29'28"N 124°17'04"W).
- Oribatella oregonensis* Behan-Pelletier & Walter, 2012: 31**—Holotype female (CNC), Oregon, Tillamook Co., Cliff Creek Trail, USA.
- Oribatella parallelus* Behan-Pelletier & Walter, 2012: 34**—Holotype female (CNC), from cedar, hemlock and birch litter under fallen log, British Columbia, Hwy 6, 14.7mi N Burton, 1500ft, Canada.
- Oribatella pawnee* Behan-Pelletier & Walter, 2012: 37**—Holotype male (CNC), Colorado, Weld Co., Central Plains Experimental Range, Rd. 37, USA.
- Oribatella sintranslamella* Behan-Pelletier & Walter, 2012: 45**—Holotype female (CNC), from deep, damp, mixed maple-hemlock litter, rotten wood, Oregon, Deschutes Co., Proxy Falls, St. Hwy 242, 28 mi SW Sisters, ca. 3000', USA.
- Oribatella yukonensis* Behan-Pelletier & Walter, 2012: 48**—Holotype female (CNC), from semi-stabilized dunes with grass, sedge, *Polemonium*, *Stellaria*, Yukon, Carcross Dunes, Canada.
- Superfamily **Oripodoidea** (1 species)
Family **Oribatulidae** (1 species)
- Zygoribatula colemani* Franklin, Norton & Crossley Jr, 2008: 35**—Holotype female (GMNH, GA 30602-1882), depressions containing shallow soils in granite outcroppings, Rocks and Shoals Natural Area, Clarke County, Georgia, USA (33°53'15.5"N, 083°20'0.60"W, 230 m).
- Superfamily **Ceratozetoidea** (1 species)
Family **Ceratozetidae** (1 species)
- Trichoribates scilierensis* Bayartogtokh, 2008: 3**—Holotype female (MGS), alpine meadows, Schlern/Sciliar massif, Provincia di Bolzano, Italy (46°30.56'N, 11°33.92'E, 2450 m).
- Superfamily **Galumnoidea** (10 species)
Family **Galumnellidae** (2 species)
- Galumnella baleensis* Ermilov, Sidorchuk & Rybalov, 2010: 56**—Holotype (ZIRAS), soil, Harenna Forest, Bale Mountains National Park, Ethiopia (6°38'N, 39°43'E, 1883 m).
- Galumnopsis lanceosensilla* Ermilov & Kalúz, 2012: 35**—Holotype female (ZIRAS), Reserva de Bosque Integral Otonga, near San Francisco de las Pampas, Ecuador (0°25'8.04"S, 79°0'14.04"W).
- Family **Galumnidae** (8 species)
- Galumna acutirostrum* Ermilov & Anichkin, 2010: 21**—Holotype (ZIRAS), sandy soil of dipterocarp forest, Cat Tien National Park, southern Vietnam (11°26'N, 107°26'E, 137 m).
- Galumna levisensilla* Ermilov & Anichkin, 2010: 25**—Holotype (ZIRAS), sandy soil of dipterocarp forest, Cat Tien National Park, southern Vietnam (11°26'N, 107°26'E, 137 m).
- Neogalumna seniczaki* Ermilov & Anichkin, 2010: 29**—Holotype (ZIRAS), sandy soil of dipterocarp forest, Cat Tien National Park, southern Vietnam (11°26'N, 107°26'E, 137 m).
- Pergalumna paradecoratissima* Ermilov & Kalúz, 2012: 28**—Holotype female (ZIRAS), Reserva de Bosque Integral Otonga, near San Francisco de las Pampas, Ecuador (0°25'8.04"S, 79°0'14.04"W).
- Pergalumna paralongisetosa* Ermilov & Kalúz, 2012:30**—Holotype female (ZIRAS), Reserva de Bosque Integral Otonga, near San Francisco de las Pampas, Ecuador (0°25'8.04"S, 79°0'14.04"W).
- Pergalumna ecuadorensis* Ermilov & Kalúz, 2012:32**—Holotype female (ZIRAS), Reserva de Bosque Integral Otonga, near San Francisco de las Pampas, Ecuador (0°25'8.04"S, 79°0'14.04"W).
- Pilizetes anufrievi* Ermilov, Sidorchuk & Rybalov, 2010: 44**—Holotype (ZIRAS), soil, Harenna Forest, Bale Mountains National Park, Ethiopia (6°38'N, 39°43'E, 1883 m).
- Taeniogalumna behanae* Ermilov, Sidorchuk & Rybalov, 2010: 50**—Holotype (ZIRAS), soil, Harenna Forest, Bale Mountains National Park, Ethiopia (6°38'N, 39°43'E, 1883 m).
- Hyporder **Astigmata** (69 species)
Superfamily **Hemisarcoptoidea** (1 species)

Family **Winterschmidtidae** (1 species)

Acalvolia americana Fan, George & Kumarasinghe, 2010: 42—Holotype female (NZAC), intercepted on orange (*Citrus sinensis*) from USA.

Superfamily **Sarcoptoidea** (34 species)

Family **Atopomelidae** (2 species)

Atopomelus megalotis Bochkov, Abramov & Hugot, 2011: 6—Holotype male (ZISP, AVB 09-0805-008), from *Hylomys megalotis* Jenkins and Robinson (Erinaceomorpha: Erinaceidae), near Ban Doy village, 18 km north of Thakhek, Khammouane Province, Laos (17°33'26"N, 104°49'28"E, 140 m).

Listrophoroides oconnori Bochkov, Abramov & Hugot, 2011: 3—Holotype male (ZISP, AVB 09-1505-005), from *Saxatilomys paulinae* Musser *et al.* (Rodentia: Muridae), near Ban Doy village, 18 km north of Thakhek, Khammouane Province, Laos (17°33'26"N, 104°49'28"E, 140 m).

Family **Chirodiscidae** (14 species)

Schizocarpus azasicus Bochkov & Saveljev, 2012: 5—Holotype male (ZIN T-Chir-21), ex *Castor fiber tuvinicus* [beaver #2, sample 12], Tuva, Todzhinskii District, upstream water of Azas River, Russia (52°25'N, 96°38'E).

Schizocarpus daberti Bochkov & Saveljev, 2012: 7—Holotype male (ZIN T-Chir-22), ex *Castor fiber tuvinicus* [beaver #2, sample 5], Tuva, Todzhinskii District, upstream water of Azas River, Russia (52°25'N, 96°38'E).

Schizocarpus heideckeii Bochkov & Saveljev, 2012: 8—Holotype male (ZISP T-Chir-26) ex *Castor fiber tuvinicus* [beaver #2, sample 11], Tuva, Todzhinskii District, upstream water of Azas River, Russia (52°25'N, 96°38'E).

Schizocarpus lavrovi Bochkov & Saveljev, 2012: 9—Holotype male (ZISP T-Chir-24), ex *Castor fiber tuvinicus* [beaver #2, sample 11], Tuva, Todzhinskii District, upstream water of Azas River, Russia (52°25'N, 96°38'E).

Schizocarpus unzhakovi Bochkov & Saveljev, 2012: 10—Holotype male (ZIN T-Chir-23), ex *Castor fiber tuvinicus* [beaver #2, sample 7], Tuva, Todzhinskii District, upstream water of Azas River, Russia (52°25'N, 96°38'E).

Schizocarpus tuvinicus Bochkov & Saveljev, 2012: 12—Holotype male (ZISP T-Chir-25), ex *Castor fiber tuvinicus* [beaver #5, sample 8], Tuva, Todzhinskii District, downstream of Azas River, Russia (52°32'N, 97°15'E).

Schizocarpus faini Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 46—Holotype male (ZISP): Podlaskie Voivodeship, Suwałki County, near Wizajny village, Poland (54°21'50"N, 22°52'6"E).

Schizocarpus gozdziwski Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 51—Holotype male (ZISP): Podlaskie Voivodeship, Suwałki County, near Wizajny village, Poland (54°21'50"N, 22°52'6"E).

Schizocarpus heatherae Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 48—Holotype male (ZISP): Podlaskie Voivodeship, Suwałki County, near Wizajny village, Poland (54°21'50"N, 22°52'6"E).

Schizocarpus klompeni Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 50—Holotype male (ZISP): Podlaskie Voivodeship, Suwałki County, near Wizajny village, Poland (54°21'50"N, 22°52'6"E).

Schizocarpus parahumilis Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 53—Holotype male (ZISP): Podlaskie Voivodeship, Suwałki County, near Wizajny village, Poland (54°21'50"N, 22°52'6"E).

Schizocarpus pseudonumerosus Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 47—Holotype male (ZISP): Podlaskie Voivodeship, Suwałki County, near Wizajny village, Poland (54°21'50"N, 22°52'6"E).

Schizocarpus testiculatus Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 44—Holotype male (ZISP): Podlaskie Voivodeship, Suwałki County, near Wizajny village, Poland (54°21'50"N, 22°52'6"E).

Schizocarpus zurowskii Bochkov, Labrzycka, Skoracki & Saveljev, 2012: 52—Holotype male (ZISP): Podlaskie Voivodeship, Suwałki County, near Wizajny village, Poland (54°21'50"N, 22°52'6"E).

Family **Listrophoridae** (3 species)

Afrolistrophorus laonastes Bochkov, Abramov & Hugot, 2011: 11—Holotype male (ZISP, AVB 09-1504-013), from *Laonastes aenigmamus* Jenkins *et al.* (Rodentia: Diatomyidae), near Ban Doy village, 18 km north of Thakhek, Khammouane Province, Laos (17°33'26"N, 104°49'28"E, 140 m).

Afrolistrophorus saxatilomys Bochkov, Abramov & Hugot, 2011: 14—Holotype male (ZISP, AVB 09-2307-005), from *Saxatilomys paulinae* Musser *et al.* (Rodentia: Muridae), near Ban Doy village, 18 km north of Thakhek, Khammouane Province, Laos (17°33'26"N, 104°49'28"E, 140 m).

Pteromychirus menetes Bochkov, Abramov & Hugot, 2011: 17—Holotype male (ZISP, AVB 09-1505-006), from *Menetes berdmorei* (Blyth) (Rodentia: Sciuridae), near Ban Doy village, 18 km north of Thakhek, Khammouane Province, Laos (17°33'26"N, 104°49'28"E, 140 m).

Family **Gastronyssidae** (15 species)

Eidolonysus myersi Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 96—Holotype female (USMN), from *Haplonycteris fisheri*, 10.5 km N, 4 km Baybay, Leyte Is., Leyte Prov., Philippines (10°47'N, 124°50'E, 700 m).

- Gastronyssus philippinensis* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 41**—Holotype female (BMOC, 83-1600-104), from *Harpyionycteris whiteheadi* Thomas (Pteropodidae), Mt. Guinsayawan, Negros Oriental, Philippines (09°45'N, 123°00'E).
- Mycteronyssus haplonycteris* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 90**—Holotype female (BMOC, 83-1600-064), from *Macroglossus minimus*, 3km N, 14km W Dumaguete, Lake Balinsasayao, Sibulan Municip., Negros Oriental, Philippines (09°21'11"N, 123°10'45"E, 835 m).
- Opsonyssus klompeni* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 76**—Holotype female (USMN), from *Pteropus leucopterus* Temminck (Pteropodidae), 8 km W, 1 km N Gigmoto, Catanduanes Isl., Catanduanes Prov., Philippines (13°48'N, 124°19'E, 200 m).
- Opsonyssus macroglossus* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 80**—Holotype female (BMOC, 83-1600-070), from *Macroglossus minimus*, 3km N, 14km W Dumaguete, Lake Balinsasayao, Sibulan Municip., Negros Oriental, Philippines (09°21'11"N, 123°10'45"E, 835 m).
- Opsonyssus pseudoindicus* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 71**—Holotype female (USMN), from *Ptenochirus jagori*, 8.5 km N, 2.5 km E Baybay, Leyte Is., Leyte Prov., Philippines (10°46'N, 124°49'E, 500 m).
- Opsonyssus pteropodi* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 73**—Holotype female (USMN), from *Pteropus hypomelanus* Temminck (Pteropodidae), 1.8 km N, 3 km W Maripipi, Maripipi Isl., Leyte Prov., Philippines (11°47'N, 124°18'E, 740 m).
- Rodhainyssus saccopteryx* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 62**—Holotype female (BMOC 02-0918-089, 1), from *Saccopteryx bilineata* (Temminck) (Emballonuridae), 13.4 km NNW Atalaya, Maskoitania, Manu, Madre de Dios, Peru (12°46'18"S, 71°23'08"W, 480 m).
- Yunkeracarus alticola* **Zabludovskaya, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 125**—Holotype female (SIZ, 52/66.8), ex *Alticola argentatus* (Severtzov) (Criteidae), Kok-Tundy tract, Kuvaki pass, Kirghizia, Kirghizia, Kyrgyzstan (40°50'N, 73°37'E, 2200 m).
- Yunkeracarus apomys* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 106**—Holotype female (BMOC, 92-1400-014), ex *Apomys* sp. C (*sensu* Heany *et al.* 1998) (Muridae), 4.5km S, 4km E Magdiwang, Sibuyan Is., Romblon Prov., Philippines (12°30'N, 122°31'E, 325 m).
- Yunkeracarus hylomyscus* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 119**—Holotype female (BMOC, 95-0917-131), ex *Hylomyscus arcimontensis* Carleton et Stanley (Muridae), 4 km W, 5 km N Chita, Udzungwa Scarp Forest Reserve, Udzungwa Mts., Kilombero Dist., Morogoro Region, Tanzania (08°28'30"S, 35°54'25"E, 1460 m).
- Yunkeracarus limnomys* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 108**—Holotype female (BMOC, 93-1300-063), ex *Limnomys bryophilus* Rickart, Heaney et Tabaranza (Muridae), 18.5km S, 4km E Camp Philips, Mt. Katanglad Range, Bukidnon Prov., Mindanao Island, Philippines (2250 m).
- Yunkeracarus lophuromys* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 111**—Holotype female (BMOC, 95-0917-089), ex *Lophuromys flavopunctatus* Thomas (Muridae), 4 km W, 5 km N Chita, Udzungwa Scarp Forest Reserve, Udzungwa Mts., Kilombero Dist., Morogoro Region, Tanzania (08°28'30"S, 35°54'25"E, 1450 m).
- Yunkeracarus otomys* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 117**—Holotype female (BMOC, 91-1350-114), ex *Otomys typus* Heuglin (Muridae), Bujuku Hut, Lake Bujuku, Rwenzori Mts, Kasese Dist., Western Prov., Uganda (3950 m).
- Yunkeracarus rattus* **Bochkov & OConnor, 2008 in Bochkov, Zabludovskaya & OConnor, 2008: 107**—Holotype female (BMOC, 95-0203-026), ex *Rattus rattus* (L.) (Muridae), 9.2km WSW Befingotra, Réserve Spécial d'Anjanaharibe-Sud, Antsiranana, Madagascar (24°47'S, 47°12'E, 1260 m).
- Superfamily **Pterolichoidea** (1 species)
Family **Pterolichidae** (1 species)
- Protolichus sigillator* **Mironov & Dabert, 2010: 19**—Holotype heteromorph male (MNHN, 34A9), ex *Chalcopsitta scintillata chloroptera* (Salvadori, 1876), New Guinea, Indonesia.
- Superfamily **Analgoidea** (33 species)
Family **Dermationidae** (2 species)
- Passeroptes hippolais* **Bochkov & Mironov, 2012: 44**—Holotype male (ZISP 4843), ex *Hippolais icterina* (Vieillot) (Passeriformes: Acrocephalidae) [body skin], Kaliningrad Province, Curonian spit, Rybachy village, Russia (55°09'15"N, 20°51'14"E).

- Passeroptes sylviae* **Bochkov & Mironov, 2012: 47**—Holotype male (ZISP 4859) ex *Sylvia communis* (Latham) (Passeriformes: Sylviidae), Kaliningrad Province, Curonian spit, Rybachy village, Russia (55°09'15"N, 20°51'14"E).
Family **Proctophylloidae** (29 species)
- Amerodectes caribaeus* **Mironov & González-Acuña, 2011: 21**—Holotype male (ZISP, 4613), from the Cuban Pewee *Contopus car-ibaeus* (Linnaeus) (Tyrannidae), Habana, Cuba (23°6'52"N, 82°23'1"W).
- Amerodectes contopus* **Mironov & González-Acuña, 2011: 18**—Holotype male (ZISP, 4607), from the Eastern Wood Pewee *Conto-pus virens* (Linnaeus) (Tyrannidae), Habana, Cuba (23°6'52"N, 82°23'1"W).
- Amerodectes phrygilus* **Mironov & González-Acuña, 2011: 6**—Holotype male (ZISP, 4578), from the Patagonian Sierra-Finch *Phrygilus patagonicus* Lowe (Emberizidae), Huinay, Los Lagos, Palena, Chile (42°22'S, 72°24'W).
- Amerodectes plumbeus* **Mironov & González-Acuña, 2011: 25**—Holotype male (ZISP, 4626), from the Red-legged Thrush *Turdus plumbeus* Linnaeus (Turdidae), Habana, Cuba (23°6'52"N, 82°23'1"W).
- Amerodectes sicalis* **Mironov & González-Acuña, 2011: 10**—Holotype male (ZISP, 4595), from the Grassland Yellow Finch *Sicalis luteola* (Sparman) (Emberizidae), Concepción, Concepción Province, Bío Bío Region, Chile (36°48'53"S, 73°1'45"W).
- Amerodectes wilsoniae* **Mironov & González-Acuña, 2011: 14**—Holotype male (ZISP, 4599), from the Hooded Warbler *Wilsonia cit-rina* (Boddaert) (Parulidae), Habana, Cuba (23°6'52"N, 82°23'1"W).
- Atelophylloides atyeoi* **Mironov & Proctor, 2009: 57**—Holotype male (QM), from *Menura alberti* Bonaparte, 1850, Acacia Plateau, Queensland, Australia (152°18'E, 28°20'S).
- Atelophylloides menurae* **Mironov & Proctor, 2009: 53**—Holotype male (TMAG), from *Menura novaehollandiae* Latham, 1802, Florentine Valley, Tasmania, Australia (42° 49' 34"S, 146°21'22"E).
- Dolichodectes furcibobus* **Mironov, Literak, Hung & Capek, 2012: 27**—Holotype Male (ZISP 4777), from *Copsychus malabaricus* (Scopoli) (Muscicapidae), Ninh Binh, Cuc Phuong National Park, Vietnam (20°21'N 105°35'E).
- Metapterodectes furnarius* **Mironov, 2008 in Mironov, Literak & Čapek, 2008: 23**—Holotype male (ZISP, 4402), ex *Furnarius rufus* (Gmelin, 1788) (Furnariidae), Brazil, Pantanal, Fazenda Monte Alegre, (21°30'S, 56°40'W).
- Metapterodectes leptasthenurae* **Mironov & González-Acuña, 2011: 43**—Holotype male (ZISP, 4671), from the Plain-mantled Tit-spinetail *Leptasthenura aegithaloides* (Kittlitz) (Furnariidae), Santa Barbara, Bío Bío Province, Bío Bío Region, Chile (37°39'53"S, 72°1'13"W).
- Montesauria abroscopi* **Mironov, Literak, Hung & Capek, 2012: 4**—Holotype male (ZISP 4728), from *Abroscopus superciliaris* (Blyth) (Cettiidae), Bac Kan, Ba Be National Park, Vietnam (22°23'N, 105°37'E).
- Montesauria macronoi* **Mironov, Literak, Hung & Capek, 2012: 9**—Holotype male (ZISP 4730), from *Macronous gularis* (Horsfield) (Timaliidae), Ninh Binh, Cuc Phuong National Park, Vietnam (20°21'N 105°35'E).
- Montesauria pellonei* **Mironov, Literak, Hung & Capek, 2012: 14**—Holotype male (ZISP 4743), from *Pellorneum ruficeps* Swainson (Pellorneidae), Ninh Binh, Cuc Phuong National Park, Vietnam (20°21'N 105°35'E).
- Montesauria phylloscopi* **Mironov, Literak, Hung & Capek, 2012: 18**—Holotype male (ZISP 4759), from *Phylloscopus ricketti* (Slater) (Phylloscopidae), Ninh Binh, Cuc Phuong National Park, Vietnam (20°21'N 105°35'E).
- Montesauria seicerci* **Mironov, Literak, Hung & Capek, 2012: 22**—Holotype male (ZISP 4766), from *Seicercus valentini* (Hartert) (Phylloscopidae), Ninh Binh, Cuc Phuong National Park, Vietnam (20°21'N 105°35'E).
- Nanodectes formicivorae* **Mironov, 2008 in Mironov, Literak & Čapek, 2008: 23**—Holotype male (ZISP, 4414), ex *Formicivora rufa* (Wied-Neuwied, 1831) (Thamnophilidae), Nova Andradina, Mato Grosso do Sul, Brazil (22°15'S, 53°21'W).
- Picapterodectes sasiae* **Mironov, Literak, Hung & Capek, 2012: 37**—Holotype male (ZISP 4793), 4 male and 5 female paratypes from *Sasia ochracea* (Picidae), Bac Kan, Ba Be National Park, Vietnam (22°23' N, 105°37' E).
- Vireodectes erporni* **Mironov, Literak, Hung & Capek, 2012: 42**—Holotype Male (ZISP 4799) from *Erpornis zantholeuca* (Blyth) (Vireonidae), Bac Kan, Ba Be National Park, Vietnam (22°23' N 105°37' E).
- Proterothrix alcippeae* **Mironov, Literak, Hung & Capek, 2012: 32**—Holotype male (ZISP 4780), from *Alcippe rufogularis* (Mandelli) (Pellorneidae), Ninh Binh, Cuc Phuong National Park, Vietnam (20°21' N 105°35' E)
- Proctophylloides valchukae* **Mironov, Dabert & Dabert, 2012: 55**—Holotype male (ZISP-4702), Primoriye, Partizanskii District, Novolitoovsk, Russia (42°51'40"N; 132°53'5.5"E).
- Pterodectes molothrus* **Mironov, 2008 in Mironov, Literak & Čapek, 2008: 13**—Holotype male (ZISP, 4382), ex *Molothrus bonariensis* (Gmelin, 1789) (Icteridae), Fazenda Monte Alegre, Pantanal, Brazil (21°30'S, 56°40'W).
- Pterodectes paroariae* **Mironov, 2008 in Mironov, Literak & Čapek, 2008: 5**—Holotype male (ZISP, 4372), ex *Paroaria capitata* (Orbigny & Lafresnaye, 1837) (Emberizidae), Fazenda Belcanto near Ivinhema River, Mato Grosso do Sul, Brazil, (22°31'S, 53° 30'W).
- Pterodectes pitangi* **Mironov, 2008 in Mironov, Literak & Čapek, 2008: 17**—Holotype male (ZISP, 4395), ex

Pitangus sulphuratus (Linnaeus, 1766) (Tyrannidae), Nova Andradina, Mato Grosso do Sul, Brazil (22°15'S, 53°21'W).

***Pterodectes tangarae* Mironov, 2008 in Mironov, Literak & Čapek, 2008: 9**—Holotype male (ZISP, 4377), ex *Tangara cayana* (Linnaeus, 1766) (Thraupidae), Nova Andradina, Mato Grosso do Sul, Brazil (22°15'S, 53°21'W).

***Tyrannidectes anairetes* Mironov & González-Acuña, 2011: 30**—Holotype male (ZISP, 4633), from the Tufted Tityrant *Anairetes parulus* (Kittlitz) (Tyrannidae), Santa Elena, Ñuble Province, Bío Bío Region, Chile (36°48'14"S, 72°23'04"W).

***Tyrannidectes berlai* Mironov, 2008 in Mironov, Literak & Čapek, 2008: 23**—Holotype male (ZISP, 4386), ex *Myiarchus tyrannulus* (Muller, 1776) (Tyrannidae), Fazenda Monte Alegre, Pantanal, Mato Grosso do Sul, Brazil (21°30'S, 56°40'W).

***Tyrannidectes cinclodes* Mironov & González-Acuña, 2011: 38**—Holotype male (ZISP, 4660), from the Dark-bellied Cinclodes *Cin-clodes patagonicus* (Gmelin) (Furnariidae), El Carmen, Ñuble Province, Bío Bío Region, Chile (36°53'51"S, 72°1'19"W).

***Tyrannidectes falcklandicus* Mironov & González-Acuña, 2011: 34**—Holotype male (ZISP, 4652), from the Austral Thrush *Turdus falck-landii* Quoy and Gaimard (Turdidae), Santa Juana, Concepción Province, Bío Bío Region, Chile (37°10'22"S, 72°56'7"W).

Family **Pteronyssidae** (1 species)

***Timalinyssus longitarsus* Wang & Wang, 2008: 65**—Holotype male (EPCL), from *Garrulax canorus canorus* (Passeriformes: Timaliidae), Libo, Guizhou, P. R. China.

Family **Xolalgidae** (1 species)

***Glaucalgus tytonis* Dabert, Ehrnsberger & Dabert, 2008: 43**—Holotype male (AMU, FM636), from *Tyto alba* (Strigiformes, Tytonidae), near Osnabrueck, Germany (52.16°N 08.03°E).

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Index

A

Acariformes 11, 18, 37
Achaemenothrombiidae 10, 52
Adamystidae 9, 12, 19, 50
Adamystoidea 12, 19, 50
Adhaesozetidae 9, 16, 77
Africa 18
Albania 17, 19
Alegre 81
Algophagidae 9, 16, 23
Allotanaupodidae 9, 12, 51
Allotanaupodoidea 12, 51
Ameridae 9, 15, 74
Ameroidea 15, 74
Ameronothroidea 75
Ameroseiidae 9, 11, 31
Analgoidea 16, 80
Anisitsiellidae 9, 13, 53
Antennophorina 10, 18, 25
Anystae 12, 18, 50
Anystina 12, 18, 50
Argentina 33
Arrenuridae 8, 9, 13, 60
Arrenuroidea 13, 19, 60
Ascidae 9, 11, 18, 31
Ascoidea 11, 18, 31
Astegistidae 9, 15, 23, 74
Astigmata 16, 23, 78
Athienemanniidae 10, 13, 60
Atopochthonioidea 14, 68
Atopomelidae 9, 16, 78
Aturidae 9, 13, 57
Australia 4, 6, 7, 17, 18, 19, 21, 25, 26, 28, 30, 31, 37, 40, 52, 53, 54, 55, 57, 60, 61, 62, 63, 64, 65, 66, 67, 71, 72, 73, 75, 76, 77, 81
Austria 17, 30
Autognetidae 10, 15, 24

B

Barbutiidae 10, 13, 20
Bdellidae 9, 12, 37
Bdelloidea 12, 18, 37
Belgium 6, 17, 74
Benin 17, 34
Bhutan 53
Blattisociidae 9, 11, 32
Bosnia and Hercegovina 17, 59
Botswana 17, 60, 61, 63, 64
Brachypylina 15, 23, 73
Brazil 5, 6, 7, 17, 18, 20, 21, 22, 23, 25, 30, 31, 32, 33, 34, 36, 37, 38, 39, 40, 43, 44, 46, 47, 48, 49, 50, 68, 64, 71, 81, 82
Brunei Darussalam 17, 50, 53, 56
Bulgaria 17, 30, 31
Burundi 17, 35

C

Caligonellidae 10, 13, 20
Calyptostomatidae 10, 12, 22
Calyptostomatoidea 12, 22

Camerobiidae 9, 13, 20, 65
Cameroon 17, 32, 34, 35
Canada 5, 6, 17, 21, 29, 31, 37, 59, 74, 77, 78
Caraboacaridae 10, 14, 68
Carabodidae 9, 15, 23, 75
Carabodoidea 15, 23, 74
Caucasus 52
Celaenopsoidea 10, 25
Cepheidae 10, 15, 23
Cepheoidea 15, 23
Ceratozetidae 10, 16, 78
Ceratozetoidea 16, 78
Chappuisididae 10, 13, 60
Cheyletidae 9, 13, 62
Cheyletoidea 13, 62
Chile 4, 17, 21, 24, 72, 81, 82
China 5, 6, 17, 18, 20, 22, 23, 29, 36, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 53, 56, 63, 64, 65, 68, 69, 70, 71, 73, 75, 82
Chirodiscidae 9, 16, 79
Chyzeriidae 10, 12, 51
Chyzerioidea 12, 51
Colombia 17, 63
Comoros 17, 53, 54, 56, 60, 62
Coprozerconidae 10, 11, 29
Costa Rica 4, 5, 17, 18, 23, 32, 39, 64
Croatia 17, 57
Crotoniidae 9, 15, 71
Crotonioidea 15, 23, 71
Cryptognathidae 10, 13, 66
Cuba 5, 17, 22, 25, 80, 81
Cunaxidae 9, 12, 18, 37
Cymbaeremaeidae 9, 15, 75
Cymbaeremaeoidea 15, 75
Cyprus 17, 50
Czech Republic 5, 17, 70, 74

D

Damaeidae 9, 15, 23, 73
Damaeidea 15, 23, 73
Dermanyssiae 11, 18, 30
Dermanyssoidea 11, 36
Dermationidae 9, 16, 80
Desmonomata 14, 23, 71
Dinychidae 9, 10, 27
Diplogyniidae 9, 10, 25
Diptilomiopidae 9, 12, 47
Dominican Republic 17, 27, 34, 35

E

Ecuador 17, 23, 24, 62, 64, 78
Egypt 17, 63, 64, 68
Eleutherengona 13, 20, 62
Enarthronota 14, 24, 68
Epicriiae 11, 28
Epicriidae 10, 11, 28
Epicrioidea 11, 28
Epilohmanniidae 10, 14, 23
Epilohmannioidea 14, 23
Eremaozetidae 9, 15, 76

- Eremaeozetoidea 15, 76
 Eriophyidae 8, 9, 12, 22, 39
 Eriophyoidea 12, 22, 39
 Erythraeidae 9, 12, 19, 50
 Erythraeoidea 12, 19, 50
 Ethiopia 17, 23, 24, 61, 71, 78
 Euglycyphagidae 10, 16, 23
 Euphthiracaridae 9, 14, 69
 Euphthiracaroida 14, 69
 Eupodina 12, 18, 22, 37
 Eupodoidea 12, 49
 Europe 17, 62, 63, 65
 Eviphididae 9, 11, 30
 Eviphidoidea 11, 30
- F**
 Falkland Islands 71
 Federal States of Micronesia 17, 61
 Fedrizziidae 9, 10, 18, 26
 Fedrizzioidea 10, 18, 26
 Feltriidae 9, 13, 59
 Fortuyniidae 10, 15, 75
 France 4, 6, 17, 31, 55, 56
- G**
 Gabon 17, 31
 Galumnellidae 9, 16, 78
 Galumnidae 9, 16, 24, 78
 Galumnoidea 16, 23, 78
 Gamasina 11, 18, 28
 Gambia 17, 20
 Gastronyssidae 9, 16
 Georgia 17, 22
 Germany 6, 7, 17, 63, 64, 75, 77, 82
 Ghana 17, 19, 32, 33, 34, 35, 36
 Glycyphagoidea 16, 23
 Greece 17, 29, 51, 53, 58
 Guatemala 17, 71
 Gustavioidea 15, 23, 74
 Guyana 17, 63
- H**
 Halacaridae 8, 9, 12, 50
 Halacaroidea 12, 50
 Halolaelapidae 9, 11, 18
 Haplozetidae 10, 16, 24
 Hemisarcoptoidea 16, 23, 78
 Hermanniellidae 10, 15, 23
 Hermannielloidea 15, 23
 Hermanniidae 9, 15, 72
 Heterostigmata 14, 21, 68
 Holothyrida 8
 Hungary 5
 Hydrachnidae 9, 12, 19, 52
 Hydrachnoidea 12, 19, 52
 Hydrodromidae 9, 13, 52
 Hydryphantidae 9, 12, 19, 52
 Hydryphantoidea 12, 19, 52
 Hygrobatidae 9, 13, 19, 56
 Hygrobatoidea 13, 19, 55
 Hypochthoniidae 9, 14, 24, 69
 Hypochthonioidea 14, 24, 69
- I**
 India 5, 6, 7, 17, 18, 20, 24, 27, 28, 32, 39, 40, 43, 45, 46, 53, 56, 57, 58, 59, 60, 62
 Indonesia 6, 17, 20, 26, 45, 55, 57, 62, 64, 69, 80
 Iran 4, 5, 6, 7, 17, 18, 19, 20, 21, 22, 24, 26, 30, 31, 34, 37, 40, 42, 51, 52, 54, 55, 56, 57, 58, 59, 61, 65, 66, 67, 68, 75
 Ireland 17, 29
 Italy 5, 17, 19, 50, 65, 78
 Ixodida 8
- J**
 Japan 6, 17, 21, 22, 63, 65, 67, 76
 Jordan 17, 64, 65
- K**
 Kazakhstan 17, 63, 64
 Kenya 5, 17, 18, 27, 32, 33, 34, 35, 36
 Klinckowstroemiidae 9, 10, 26
 Kyrgyzstan 17, 65, 80
- L**
 Laelapidae 8, 9, 11, 36
 Laos 17, 79
 Lebertiidae 10, 13, 53
 Lebertioidea 13, 20, 53
 Leeuwenhoeekiidae 10, 12, 20
 Liacaridae 10, 15, 23
 Licneremaeoidea 15, 77
 Licnodamaeidae 9, 15, 73
 Limnesiidae 9, 13, 56
 Linotetrinidae 9, 14, 67
 Listrophoridae 9, 16, 79
 Lohmanniidae 9, 14, 24, 69
- M**
 Machuelliidae 10, 15, 75
 Macrochelidae 11, 31
 Macronyssidae 10, 11, 37
 Madagascar 17, 25, 53, 54, 80
 Madre de Dios Island 24
 Malagasy Republic 17, 74
 Malaysia 17, 55, 57, 70, 71
 Melicharidae 9, 11, 32
 Mesoplophoridae 9, 14, 69
 Mesostigmata 8, 10, 18, 25
 Metagynuridae 10, 27
 Mexico 4, 7, 17, 25, 26, 27, 32, 38, 65
 Microtrombidiidae 9, 12, 52
 Microzetidae 9, 15, 24, 74
 Microzetoidea 15, 24, 74
 Mideopsidae 9, 13, 19
 Mixonomata 14, 23, 69
 Mochlozetidae 10, 16, 25
 Momoniidae 9, 13, 19, 60
 Mongolia 6, 17, 74
 Monogynaspida 10, 11, 18, 27
 Montenegro 5, 6, 17, 39, 41, 44, 50, 51, 55, 65
 Morocco 17, 20
 Myobiidae 9, 13, 65
 Myobioidea 13, 65
- N**
 Neopygmephoridae 9, 14, 68

- Neothrombiidae 9, 12, 52
 New Caledonia 17, 77
 New Zealand 6, 17, 21, 40, 41, 43, 44, 51, 57, 58, 59, 62
 Nigeria 17, 33
 Nippobodidae 9, 15, 75
 Norway 17, 52
 Nothridae 9, 15, 73
 Nothrina 14, 23, 71
O
 Ologamasidae 9, 11, 30
 Oman 17, 51, 52
 Opilioacarida 8, 10, 25
 Opilioacaridae 9, 10, 25
 Opilioacaroida 10, 25
 Oppiidae 8, 9, 15, 24, 75
 Oppioidea 15, 24, 75
 Oribatellidae 9, 16, 77
 Oribatelloidea 16, 77
 Oribatida 14, 23, 68
 Oribatulidae 10, 16, 78
 Oribotritiidae 9, 14, 70
 Oripodoidea 16, 24, 78
 Otocephidae 10, 15, 23
 Otopheidomenidae 10, 11, 32
P
 Pachylaelapidae 9, 11, 31
 Panama 17, 25, 26, 59
 Papua New Guinea 17, 27, 37, 77
 Paraguay 17, 64
 Parakalummidae 10, 16, 24
 Paramegistidae 9, 10, 18, 27
 Paramegistoidea 10, 18, 27
 Parantennuloidea 10, 27
 Parasitengona 12, 19, 22
 Parasitiae 11, 30
 Parasitidae 10, 11, 30
 Parasitiformes 10, 18, 25
 Parasitoidea 11, 30
 Peloppiidae 9, 15, 74
 Penthalodidae 9, 12, 49
 Peru 5, 17, 33, 34, 35, 39, 80
 Phenopelopoidea 16, 24, 77
 Philippines 7, 17, 22, 24, 62, 63, 79, 80
 Philodanidae 10, 27
 Phthiracaridae 8, 9, 14, 70
 Phthiracaroida 14, 70
 Phyllochthoniidae 9, 14, 69
 Phytoptidae 12, 39
 Phytoseiidae 8, 9, 11, 32
 Phytoseioidea 11, 32
 Plateremaeoidea 15, 73
 Podapolipidae 9, 14, 21
 Podocinidae 9, 11, 36
 Poland 4, 5, 6, 7, 17, 50, 62, 63, 64, 65, 79
 Pontarachnidae 9, 13, 20, 56
 Portugal 17, 37
 Proctophyllodidae 9, 16, 80
 Prostigmata 11, 18, 37
 Protolophoridae 9, 14, 69
 Protolophoroidea 14, 69
 Pterolichidae 10, 16, 80
 Pterolichoidea 16, 80
 Pteronyssidae 10, 16, 82
 Pterygosomatidae 9, 13, 65
 Pterygosomatoidea 13, 65
 Puerto Rico 17, 56
 Pyemotidae 9, 14, 68
 Pyemotoidea 14, 68
 Pygmephoridae 9, 14, 68
 Pygmephoroidea 14, 68
R
 Raphignathidae 10, 13, 20
 Raphignathina 13, 20, 62
 Raphignathoidea 13, 20, 65
 Rhagidiidae 9, 12, 50
 Rhodacaridae 9, 11, 30
 Rhodacaroida 11, 18, 30
 Rotundabaloghiidae 9, 10, 27
 Russia 5, 6, 7, 17, 18, 39, 45, 51, 52, 53, 57, 58, 59, 60, 61, 79, 80, 81
 Rwanda 17, 28, 35, 36
S
 Sarcoptiformes 8, 14, 23
 Sarcoptoidea 16, 78
 Saudi Arabia 5, 17, 20, 34
 Scutacaridae 10, 14, 68
 Scutoverticidae 10, 16, 77
 Semenchenko 60
 Serbia 7, 17
 Sierra Leone 17, 34
 Slovak 5
 Slovakia 6
 Slovakia 5, 17, 28, 29, 30, 31, 38, 51, 63, 70, 74
 South Africa 4, 6, 17, 24, 33, 35, 37, 40, 56, 57, 62, 73, 75
 South Africa. 56
 South America 18
 Southeast Asia 18
 Spain 5, 6, 17, 19, 23, 51, 70
 Sperchontidae 9, 13, 20, 53
 Sri Lanka 17, 31
 Stigmaeidae 9, 13, 21
 Sultanate of Oman 67
 Surinam 17, 63
 Swaziland 17, 22
 Sweden 6
 Switzerland 5, 6, 17, 19, 51
 Synichotritiidae 9, 14, 70
 Syringophilidae 9, 13, 62
T
 Taiwan 6
 Tanzania 17, 28, 65, 80
 Tarsonemidae 8, 9, 14, 22, 68
 Tarsonemoidea 14, 21, 68
 Tenuipalpidae 8, 9, 14, 21, 66
 Teratothyadidae 10, 13, 53
 Tetranychidae 8, 9, 14, 21, 67
 Tetranychoida 13, 21, 66
 Teutonidae 10, 13, 53
 Thailand 5, 17, 22, 26, 27, 28, 50, 55, 62, 69, 70
 The Netherlands 6, 7
 Torrenticolidae 9, 13, 20, 54
 Trachytidae 9, 10, 27

Trematuridae 9, 10, 27
 Trhypochthoniidae 10, 15, 23
 Trigonuropodidae 10, 27
 Trigynaspida 10, 18, 25
 Trochometridiidae 10, 14, 68
 Trochometridioidea 14, 68
 Trombiculidae 8, 9, 12, 20, 51
 Trombiculoidea 12, 20, 51
 Trombidiformes 8, 11, 18, 37
 Trombidiidae 9, 12, 20, 52
 Trombidoidea 12, 20, 52
 Tunisia 17, 67, 68
 Turkey 5, 6, 7, 17, 18, 19, 29, 40, 41, 51, 52, 53, 57, 58, 59,
 64, 66, 68, 75
U
 Uganda 17, 33, 34, 80
 UK 6, 17, 27, 39, 47, 63
 Ukraine 6, 17, 38, 39, 51, 68
 Unduloribatidae 9, 16, 24, 77
 Unionicolidae 9, 13, 60
 Urodinychidae 9, 10, 27
 Uropodidae 9, 10, 28
 Uropodina 10, 27
 Uropodoidea 10, 27
 USA 4, 5, 6, 7, 17, 18, 21, 23, 28, 29, 38, 49, 50, 59, 62, 63,
 64, 65, 70, 74, 77, 78
V
 Veigaiidae 9, 11, 30
 Veigaiioidea 11, 30
 Vietnam 17, 18, 23, 24, 25, 27, 28, 69, 78, 81
W
 Winterschmidtidae 10, 16, 78
X
 Xolalgidae 10, 16, 82
Z
 Zaire 17, 28
 Zambia 17, 32, 33, 35
 Zerconidae 9, 11, 29
 Zerconoidea 11, 28
 Zetomotrichidae 10, 16, 24