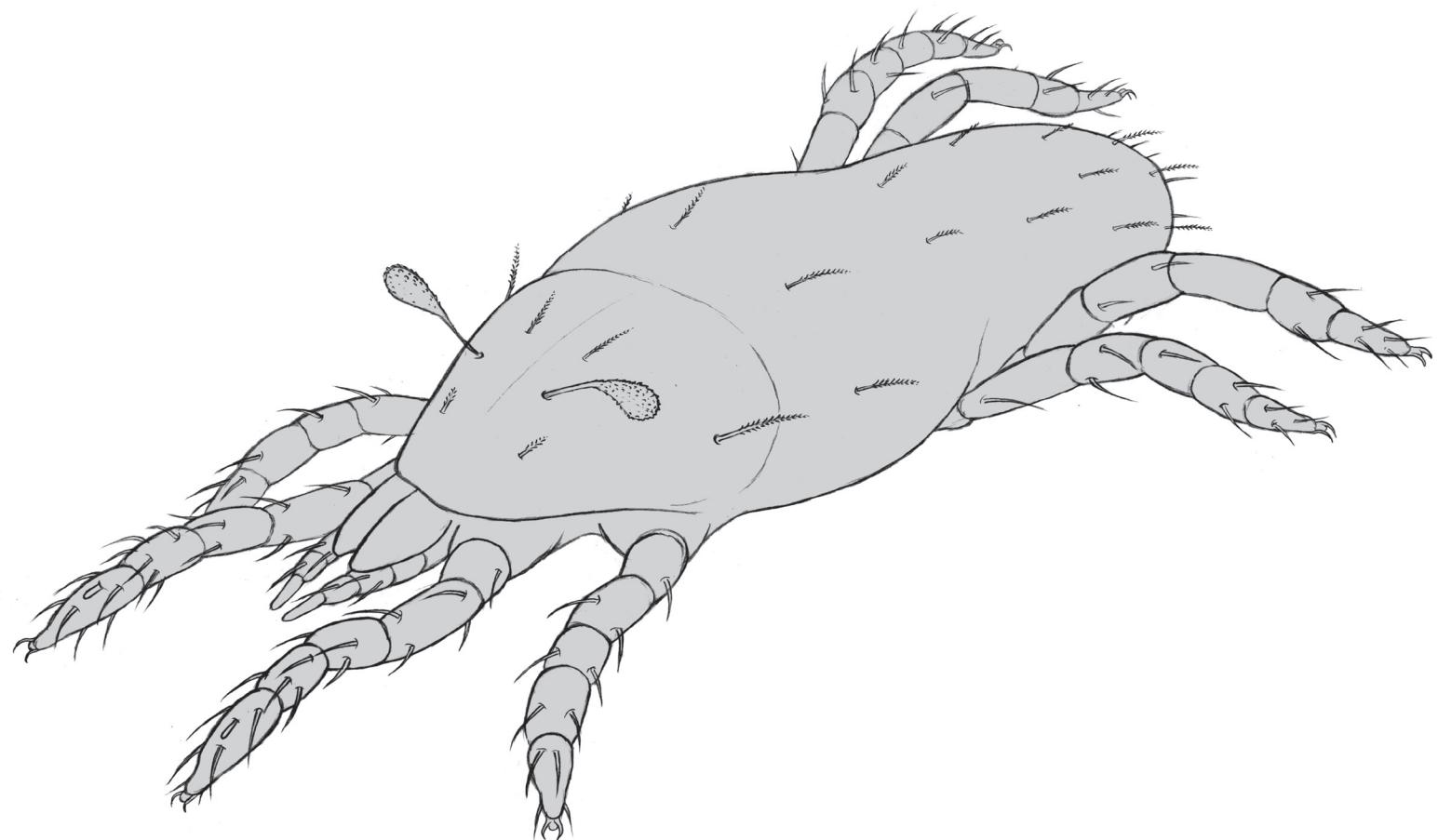


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ACARI – Bibliographia Acarologica strives to advance and help disseminate acarological knowledge as broadly as possible. To this end, each year we compile all internationally available papers published on Acari worldwide, as far as they become known to us. Two major taxon groups, however, are excluded from this bibliography – the Eriophyidae and the paraphyletic “Hydracarina” since literature databanks of these groups are available elsewhere.

More than 350 papers are listed this year. Papers are included from 45 countries in the present volume, once again reflecting the continuing high worldwide scientific interest in Actinedida. The majority of papers come this year from Europe (26%) and Middle-Eastern countries (23%). The many contributions from countries such as Brazil (12%) and Iran (10%) echo the increasingly high level of Actinedida research in these countries. Systematics and taxonomy of this poorly studied mite group remain the most highly represented topic (32% of all papers), with more than 180 descriptions of new species and 13 new genera in over 100 papers. As in almost all previous years, economically important topics such as plant protection are the next most common subject matter (>40% of all papers), with acarine-pest biology, biological mite control (including predator-prey relationships) and the ecology/biology of plant pests being the most common subject matter. Research on about 38 families is reported in this issue. The majority of the papers (>50%) once again deal with the economically important Tetranychidae and Tenuipalpidae. Strongly represented this year are otherwise Parasitengona (8 families, ca. 10% of all papers), Heterostigmata (9 families, ca. 8%) as well as families such as Stigmaeidae (6%). Endostigmata taxa are represented for the first time in many years with three papers.

The lack of general ecological research is always conspicuous, considering that Actinedida represent one of the most abundant soil-microarthropod groups. Only 5 papers in the present volume deal explicitly with soil actinedid fauna. Taxonomic revisions and determination keys are still sorely needed for most soil-living families and genera, their availability will help promote ecological field research on Actinedida. Nonetheless, general faunistical surveys (checklists, faunistics of specific animal and plant hosts, etc) on Actinedida remain an important topic in this volume, with more than 25 papers. Molecular biological studies (8 papers) have surprisingly decreased this year, but include taxa beyond Tetranychidae.

The acarological literature collection and databank in Görlitz is now one of the largest in the world. The databank of Actinedid literature cited in ACARI has now accumulated 7,325 papers on 2,993 species of actinedid mites. The databank as well as previous issues of ACARI can be accessed via <http://www.senckenberg.de/Acari>.

Reprints of the majority of cited papers are present in the Chelicerata Department of the Senckenberg Museum of Natural History in Görlitz. The registration of all recent publications on actinedid mites is a daunting and time-consuming task, which cannot be undertaken without the aid of all acarologists worldwide. We therefore ask for your continued help by sending reprints or copies of all your papers on actinedid mites. We expressly thank all authors who have assisted this goal and sent reprints of their papers. As with any journal, mistakes and omissions are unavoidable. Critique and suggestions are welcome and explicitly called for. Please inform us if we have failed to list any of your publications in the Bibliographia and we will include them in later volumes.

Besides this literature database, the Senckenberg Museum of Natural History in Görlitz maintains an Actinedida collection, not only of type but also of reference material. Type species as well as determined material may be deposited in these collections and are actively called for. The availability of these collections is guaranteed by the numerous scientists and technical personnel presently working with the soil-arthropod collections in Görlitz.

Acarological literature

Literature quotations printed in bold type contain descriptions of new species. Titles marked with “*” were only found as a citation or abstract. The addresses of the corresponding authors are given in the section Addresses.

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Nomina nova

The names of new taxa are listed here as far as we have received the papers. Their validity was not examined here. The authors of new combinations and new synonyms are written in [brackets].

Type-material information as follows:

Chaudhripalpus costacola Beard & Seeman, 2014
(Page: 15¹) – TYPES: HT² + PT² - QM³, PT² - ANIC³

1 – first page of the description

2 – holotype (HT), paratypes (PT) or syntypes (ST)

3 – abbreviations of the places of storage of new types, as far as they were cited in the publications

Abbreviations of the places of storage of new types

ACAC - Adrian College Acarology Collection, Biology Department, Adrian, Michigan, USA

ACASI - Acarological Collection, Acarological Society of Iran, Karaj, Iran

ACUG - Acarological Collection, Department of Plant Protection, Faculty of Agriculture, University of Guilan, Rasht, Iran

AETMU - Acarological Collection, Department of Entomology, Faculty of Agriculture, Tarbiat Modares University, Tehran, Iran

AINP - All India Network Project on Agricultural Acarology, University of Agricultural Sciences, Bangalore, India

ALUM - Acarology Laboratory, Department of Plant Protection, University of Maragheh, Maragheh, Iran

AMU - Adam Mickiewicz University, Department of Animal Morphology, Poznan, Poland

ANIC - Australian National Insect Collection, CSIRO Division of Entomology, Canberra, Australia

ARC-PPRI - Agricultural Research Council - Plant Protection Research Institute, Pretoria, South Africa

ASFEU - Biology Department, Arts and Sciences Faculty, Erzincan University, Erzincan, Turkey

BASU - Bu-Ali Sina University, Acarology Laboratory, Hamedan, Iran

BGZM - Biozentrum Grindel und Zoologisches Museum, Zoologisches Institut, Universität Hamburg, Hamburg, Germany

CALBS - Collection of the Acarology Laboratory, University of Bu-Ali Sina, Hamadan, Iran

CBZM - Celal Bayar University, Zoological Museum, Manisa, Turkey

CJM - Collection of Joanna Makol, Institute of Biology, Wrocław University of Environmental and Life Sciences, Wrocław, Poland

CKK - Collection of Kazuyoshi Kurosa, Tokyo, Japan

CMK - Collection of Miroslav Krumpál, Comenius University, Bratislava, Slovakia

CMNZ - Canterbury Museum, Christchurch, New Zealand

CPL - Collection of Peter Luptáčik, P. J. Safárik University, Kosice, Slovakia

CSK - Collection Stanislav Kalúz, Bratislava, Slovakia

CSS - Collection Sevgi Sevsay, Erzincan, Turkey

DATE - Department of Animal Taxonomy and Ecology, Adam Mickiewicz University, Poznan, Poland

DZSJRP - Departamento de Zoologia, Campus de S. J. do Rio Preto, Universidade Estadual Paulista, São Paulo, Brazil

ESALQ/USP - Escola Superior de Agricultura “Luiz de Queiroz”, Universidade de São Paulo, Departamento de Entomologia, Fitopatologia e Zoologia Agrícola, Piracicaba, Brazil

FAFU - Fujian Agricultural and Forestry University, Department of Plant Protection, Fuzhou, China

GNHM - Goulandris Natural History Museum, Athens, Greece

GUAN - Gorgan University of Agricultural Sciences and

Natural Resources, Department of Plant Protection, Gorgan, Iran	MHNG - Muséum d'Histoire Naturelle, Geneva, Switzerland
GUGC - Guizhou University, Institute of Entomology, Guiyang, Guizhou, China	MNHK - National Museum of Natural History, Kyiv, Ukraine
HUAC - Hakkari University, Acari Collection, Hakkari, Turkey	MNHN - Muséum National d'Histoire Naturelle, Laboratoire de Zoologie (Arthropodes), Paris, France
IARI - Indian Agricultural Research Institute, New Delhi, India	MNHWU - Museum of Natural History, Wroclaw University, Wroclaw, Poland
IMKU - Insect Museum, Department of Entomology, Kasetsart University, Bangkok, Thailand	NBAII - National Bureau of Agriculturally Important Insects, Indian Council of Agricultural Research, Bangalore, India
IMR - Institute for Medical Research, Kuala Lumpur, Malaysia	NBGB - Nikita Botanical Gardens, Department of Agroecology, Yalta, Crimea, Russia
INRA - Institut National de la Recherche Agronomique, Montferrier-sur-Lez, France	NHML - Natural History Museum, Department of Entomology, London, United Kingdom
INTA - Instituto Nacional de Tecnologia Agropecuaria, Aimogasta, La Rioja, Argentina	NMK - National Museum of Kenya, Nairobi, Kenya
IPHCMD - Institut Pasteur, Ho Chi Minh City, Vietnam	NMNH - National Museum of Natural History, Smithsonian Institution, Beltsville, Maryland, USA
IPV - Institute of Pathogens and Vectors, Dali University, Dali, Yunnan Province, China	NMNS - National Museum of Nature and Science, Tsukuba, Japan
IRSNB - L'Institut Royal des Sciences Naturelles, Bruxelles, Belgium	NSMT - National Science Museum, Tokyo, Japan
ISB - Institute of Soil Biology, Biology Centre Academy of Sciences of the Czech Republic, Ceské Budejovice, Czech Republic	NZAC - New Zealand Arthropod Collection, Auckland, New Zealand
JAZM - Jalal Afshar Zoological Museum, Tehran University, Acarological Collection, Karaj, Iran	NZMC - National Zoological Museum of China, Institute of Zoology, Chinese Academy of Sciences, Beijing, China
LAZUA - Laboratory of Agricultural Zoology and Entomology, Agricultural University of Athens, Athens, Greece	ONU - I. I. Mechnikov Odessa National University, Museum of Zoology, Odessa, Ukraine
LUEM - Lincoln University Entomology Museum, Christchurch, New Zealand	OSAL - Ohio State University, Museum of Biological Diversity, Acarology Laboratory, Columbus, Ohio, USA
MAGNT - Museum and Art Gallery of the Northern Territory, Bullocky Point, Fannie Bay, Darwin, Australia	QM - Queensland Museum, South Brisbane, Queensland, Australia
MCN - Museu de Ciencias Naturais da UNIVATES Centro Universitário, Lajeado, Brazil	SAMA - South Australian Museum, Adelaide, Australia
	SBUK - Shahid Bahonar University of Kerman, Kerman, Collection of the Acarology Laboratory, Iran

SNM - <u>Slovak National Museum</u> , Bratislava, Slovakia	<i>Agistemus macrosetosus</i> Stathakis & Kapaxidi, 2014 (Page: 162) – TYPES: HT + PT - LAZUA, PT - NHML
TMAG - <u>Tasmanian Museum & Art Gallery</u> , Hobart, Australia	<i>Agistemus paraguaryensis</i> Johann, Carvalho, Rocha & Ferla, 2013 (Page: 580) – TYPES: HT + PT - MCN
TUMZ - <u>Tyumen State University Museum of Zoology</u> , Tyumen, Russia	<i>Agistemus riograndensis</i> Johann & Ferla, 2013 (Page: 247) – TYPES: HT + PT - MCN
UMMZ - <u>University of Michigan, Museum of Zoology</u> , Ann Arbor, USA	<i>Allocaeculus sandbergensis</i> Mangová, Krumpál & Luptácik, 2014 (Page: 214) – TYPES: HT - SNM, PT - CPL, CMK
UNAM - <u>Universidad Nacional Autónoma de Mexico</u> , Instituto de Biología, Mexico City, Mexico	<i>Amblypalpus iraniensis</i> Farzan, Asadi & Ueckermann, 2013 (Page: 56) – TYPES: HT + PT - SBUK, PT - ARC-PPRI
USDAB - <u>United States Department of Agriculture</u> , Systematic Entomology Laboratory, Beltsville, USA	<i>Amblypalpus thymus</i> Farzan, Asadi & Ueckermann, 2013 (Page: 62) – TYPES: HT + PT - SBUK, PT - ARC-PPRI
USNM - <u>United States National Museum of Natural History</u> , Washington, USA	<i>Armascirus denheyeri</i> Kalúz, Ermilov & Vrabec, 2014 (Page: 238) – TYPES: HT + PT - SNM
USP - <u>Universidade de São Paulo</u> , Piracicaba, Brazil	<i>Armascirus fendai</i> Kalúz & Vrabec, 2013 (Page: 142) – TYPES: HT + PT - SNM, PT - IRSNB, CSK
WAM - <u>Western Australian Museum</u> , Perth, Australia	<i>Armascirus masani</i> Kalúz & Vrabec, 2013 (Page: 147) – TYPES: HT + PT - SNM
ZISP - <u>Zoological Institute</u> , Russian Academy of Sciences, St. Petersburg, Russia	<i>Armascirus orientalis</i> Kalúz, Ermilov & Vrabec, 2014 (Page: 243) – TYPES: HT + PT - SNM
ZMUC - <u>Zoological Museum</u> , University of Copenhagen, Copenhagen, Denmark	<i>Austroteneriffia khorramabadiensis</i> Khanjani, Hoseini & Fayaz, 2014 (Page: 70) – TYPES: HT + PT - BASU, PT - ARC-PPRI
ZSM - <u>Zoologische Staatssammlungen</u> , München, Germany	<i>Austroteneriffia shiraziensis</i> Khanjani, Yazdanpanah & Fayaz, 2013 (Page: 36) – TYPES: HT + PT - BASU, PT - ARC-PPRI

New species

<i>Abrolophus anzelmii</i> Haitlinger & Lupicki, 2013 (Page: 682) – TYPES: HT - MNHWU	<i>Bdella kuznetsovi</i> Maslov & Khaustov, 2013 (Page: 161) – TYPES: HT + PT - NBG
<i>Abrolophus hieronimi</i> Haitlinger & Lupicki, 2013 (Page: 42) – TYPES: HT - MNHWU	<i>Bertrandiella griselda</i> Paredes-León, Cuervo-Pineda & Pérez, 2013 (Page: 1144) – TYPES: HT + PT - UNAM
<i>Acanthomastix derivatus</i> Katlav & Hajiqanbar, 2014 (Page: 8) – TYPES: HT - AETMU, PT - NMNH, BGZM, AMU, JAZM	<i>Brachytydeus scutatus</i> Silva, Rocha & Ferla, 2013 (Page: 621) – TYPES: HT + PT - ESALQ/USP, PT - MCN
<i>Acaricis urigersoni</i> Xu & Zhang, 2013 (Page: 358) – TYPES: HT + PT - NZAC, PT - NHML	<i>Brevipalpus noranae</i> Halawa & Fawzy, 2014 (Page: 88)
<i>Agistemus aimogastaensis</i> Leiva, Fernandez, Theron & Rollard, 2013 (Page: 67) – TYPES: HT + PT - INTA, PT - MHNG	

- TYPES: HT + PT - ARC-PPRI, PT - ESALQ/USP
- Bryobia cinereae* Auger & Migeon, 2014 (Page: 16) – TYPES: HT + PT - INRA
- Bryobia mercantourensis* Auger & Migeon, 2014 (Page: 21) – TYPES: HT + PT - INRA
- Callidosoma susanae* Clark, 2014 (Page: 177) – TYPES: HT + PT - CMNZ, PT - NHML
- Charadriineopicobia calidris* Skoracki, Spicer & OConnor, 2014 (Page: 103) – TYPES: HT - AMU
- Charletonia cameroonensis* Haitlinger & Kekeunou, 2014 (Page: 40) – TYPES: HT + PT - MNHWU
- Charletonia terianae* Hakimitabar, Saboori & Seidedy, 2013 (Page: 164) – TYPES: HT + PT - JAZM, PT - BGZM, ACASI
- Chaudhripalpus costacola* Beard & Seeman, 2014 (Page: 15) – TYPES: HT + PT - QM, PT - ANIC
- Cheletopsis ferruginea* Chernichko & Kivganov, 2014 (Page: 92) – TYPES: HT + PT - ONU
- Chenophila platyrhynchos* Tymcio, Kavetska, Czyz & Skoracki, 2013 (Page: 660) – TYPES: HT + PT - AMU, PT - ZISP, ZSM
- Cheylostigmaeus guilaniensis* Hajizadeh, Khanjani, Faraji & Ueckermann, 2013 (Page: 573) – TYPES: HT + PT - ACUG, PT - ARC-PPRI
- Cheylostigmaeus mahvashae* Khanjani, Firoozfar & Mirmoayedi, 2013 (Page: 346) – TYPES: HT - CALBS, PT - ARC-PPRI
- Cheylostigmaeus sepasgosariani* Bagheri, Jafari & Saboori, 2014 (Page: 154) – TYPES: HT + PT - ALUM, PT - ACASI, JAZM
- Chrysomelobia alleni* Seeman & Nahrung, 2013 (Page: 258) – TYPES: HT - TMAG, PT - QM
- Chrysomelobia intrusus* Seeman & Nahrung, 2013 (Page: 264) – TYPES: HT - TMAG, PT - QM
- Colisyringophilus tanzanicus* Skoracki, Unsoeld & Ozminski, 2013 (Page: 214) – TYPES: HT + PT - ZSM, PT - AMU, ZISP
- Crossipalpus gersoni* Beard & Seeman, 2014 (Page: 36) – TYPES: HT + PT - QM, PT - ANIC, USNM
- Crossipalpus raveni* Beard & Seeman, 2014 (Page: 44) – TYPES: HT + PT - QM, PT - ANIC, USNM
- Cunaxoides decastroae* Den Heyer, 2013 (Page: 2050) – TYPES: HT - ARC-PPRI
- Cunaxoides lootsi* Den Heyer, 2013 (Page: 2054) – TYPES: HT - ARC-PPRI
- Diplothrombium ostovani* Noei & Saboori, 2014 (Page: 248) – TYPES: HT + PT - JAZM, PT - ACASI, ACUG
- Diplothrombium sahragardi* Noei & Saboori, 2014 (Page: 242) – TYPES: HT + PT - JAZM, PT - ACASI
- Emitrombidium giocondi* Makol & Sevsay, 2014 (Page: 92) – TYPES: HT + PT - BGZM, 2 PT - CJM, 2 PT - CSS
- Empitrombium makolae* Sevsay & Karakurt, 2013 (Page: 256) – TYPES: HT + PT - ASFEU
- Eotetranychus quercicola* Auger & Migeon, 2014 (Page: 28) – TYPES: HT + PT - INRA
- Eryngiopus langroudiensis* Khanjani, Hajizadeh & Ueckermann, 2014 (Page: 172) – TYPES: HT + PT - CALBS, PT - ACUG
- Erythraeus (Zaracarus) hafezi* Saboori, Hakimitabar & Mahmoudi, 2014 (Page: 80) – TYPES: HT + PT - JAZM, PT - ACASI
- Erythrites otamahua* Clark, 2013 (Page: 394) – TYPES: HT - LUEM, PT - SAMA, NHML
- Eupalopsellus kermaniensis* Mahdavi & Farzan, 2013 (Page: 191) – TYPES: HT + PT - SBUK, PT - ARC-PPRI
- Eustigmaeus agioriticus* Kapaxidi, Stathakis & Papadoulis, 2013 (Page: 403) – TYPES: HT + PT - LAZUA, PT - GNHM
- Eustigmaeus parakauaiensis* Kapaxidi, Stathakis & Papadoulis, 2013 (Page: 401) – TYPES: HT + PT - LAZUA, PT - GNHM
- Eustigmaeus seemani* Khanjani, Firoozfar, Mirmoayedi,

- Asali Fayaz*, 2013 (Page: 560) – TYPES: HT + PT - BASU, PT - ARC-PPRI
- Eutarsopolipus amaraceus* Tajodin & Hajiqanbar, 2014 (Page: 110) – TYPES: HT - AETMU, PT - AETMU, USNM
- Eutarsopolipus earnshawi* Constantine & Seeman, 2014 (Page: 89) – TYPES: HT + PT - QM, PT - UMMZ
- Eutarsopolipus lambkiniae* Constantine & Seeman, 2014 (Page: 96) – TYPES: HT + PT - QM, PT - UMMZ
- Eutarsopolipus rutherfordae* Constantine & Seeman, 2014 (Page: 103) – TYPES: HT + PT - QM
- Favognathus alvandii* Khanjani, Khanjani, Najaf-Abadi & Seeman, 2014 (Page: 376) – TYPES: HT + PT - CALBS, PT - QM, ARC-PPRI
- Favognathus esfahaniensis* Khanjani, Khanjani, Najaf-Abadi & Seeman, 2014 (Page: 374) – TYPES: HT + PT - CALBS
- Favognathus guilanicus* Khanjani, Khanjani, Najaf-Abadi & Seeman, 2014 (Page: 380) – TYPES: HT + PT - CALBS, PT - QM, ARC-PPRI
- Favognathus hyrcanensis* Shirinbeik, Mohajer & Bagheri, 2014 (Page: 194) – TYPES: HT + PT - JAZM, PT - GUAN
- Gahrliepia cangshanensis* Ren, Guo, Jin, Wu & Fletcher, 2014 (Page: 64) – TYPES: HT + PT - IPV
- Geckobia sharygini* Bertrand, Kukushkin & Pogrebnyak, 2013 (Page: 101) – TYPES: HT + PT - MNHN, MNHK
- Grandjeanella macfarlanei* Clark, 2014 (Page: 191) – TYPES: HT + PT - CMNZ, PT - NHML, SAMA
- Hemicheyletia guiyangensis* Guo & Zhao, 2013 (Page: 282) – TYPES: HT - GUGC
- Hemicheyletia polyseta* Guo & Zhao, 2013 (Page: 282) – TYPES: HT - GUGC
- Hexabdella persiaensis* Paktinat Saejj & Bagheri, 2014 (Page: 386) – TYPES: HT + PT - JAZM
- Hoplocheylus fereshtae* Amin, Khanjani & Ueckermann, 2014 (Page: 43) – TYPES: HT - CALBS, PT - ARC-PPRI
- Kerdabania sibiricensis* Khaustov, 2014 (Page: 36) – TYPES: HT + PT - TUMZ
- Krantziaulonastus dubinini* Skoracki & Sikora, 2014 (Page: 197) – TYPES: HT + PT - ZISP, PT - AMU
- Laptrombicula fangumi* Stekolnikov, 2014 (Page: 27) – TYPES: HT + PT - ZISP
- Laptrombicula khunboromi* Stekolnikov, 2014 (Page: 25) – TYPES: HT + PT - ZISP
- Lasioerythraeus setarius* Kamran & Bashir, 2013 (Page: 722) – TYPES: HT + PT - ARLUAF
- Ledermulleriopsis ayhani* Maleki & Bagheri, 2013 (Page: 628) – TYPES: HT + PT - ALUM, PT - ARC-PPRI
- Ledermulleriopsis tamariski* Maleki & Bagheri, 2013 (Page: 625) – TYPES: HT + PT - ALUM, PT - ARC-PPRI
- Leptotrombidium abramovi* Stekolnikov, 2013 (Page: 31) – TYPES: HT + PT - ZISP
- Leptotrombidium aenigmami* Stekolnikov, 2013 (Page: 27) – TYPES: HT + PT - ZISP
- Leptotrombidium bochkovi* Stekolnikov, 2013 (Page: 57) – TYPES: HT + PT - ZISP
- Leptotrombidium kinabalu* Stekolnikov, 2013 (Page: 43) – TYPES: HT + PT - IMR
- Leptotrombidium laoense* Stekolnikov, 2013 (Page: 90) – TYPES: HT + PT - ZISP
- Leptotrombidium megabodense* Stekolnikov, 2013 (Page: 42) – TYPES: HT - IMR
- Leptotrombidium megalangati* Stekolnikov, 2013 (Page: 42) – TYPES: HT - IMR
- Leptotrombidium megalotis* Stekolnikov, 2013 (Page: 97) – TYPES: HT + PT - ZISP
- Leptotrombidium minului* Stekolnikov, 2013 (Page: 44) – TYPES: HT + PT - IMR
- Leptotrombidium saigoni* Stekolnikov, 2013 (Page: 69) – TYPES: HT + PT - ZISP

- TYPES: HT - IPHCMC
- Leptotrombidium tenompaki* Stekolnikov, 2013 (Page: 44) – TYPES: HT + PT - IMR
- Leptotrombidium tikhonovi* Stekolnikov, 2013 (Page: 48) – TYPES: HT + PT - ZISP
- Leptotrombidium ului* Stekolnikov, 2013 (Page: 43) – TYPES: HT + PT - IMR
- Lorryia bazhorii* Ripka & Kazmierski, 2013 (Page: 24) – TYPES: HT + PT - AMU
- Lorryia hungarica* Laniecka & Ripka, 2013 (Page: 14) – TYPES: HT - AMU
- Lorryia sanctikingai* Ripka & Laniecka, 2013 (Page: 19) – TYPES: HT - AMU
- Lupaeus iranensis* Den Heyer, 2013 (Page: 2061) – TYPES: HT - ARC-PPRI
- Lupaeus sativae* Den Heyer, 2013 (Page: 2063) – TYPES: HT + PT - ARC-PPRI
- Magdalenapalpus caperatus* Beard & Seeman, 2014 (Page: 56) – TYPES: HT + PT - MAGNT, PT - QM, ANIC, USNM
- Magdalenapalpus forsteri* Beard & Seeman, 2014 (Page: 62) – TYPES: HT + PT - QM, PT - ANIC, USNM
- Mediolata ronaldi* Laniecka, 2013 (Page: 42) – TYPES: HT + PT - AMU
- Megasyringophilopsis cacatua* Glowska & Laniecka, 2013 (Page: 386) – TYPES: HT + PT - BGZM
- Moldoustium haitlingeri* Noei, Saboori & Sundic, 2013 (Page: 264) – TYPES: HT + PT - JAZM, PT - ACASI
- Momorangia chambersi* Clark, 2014 (Page: 186) – TYPES: HT + PT - CMNZ, PT - NHML, SAMA
- Neoaulonastus cinnyris* Klimovicová, Smolák, Njoroge & Hromada, 2014 (Page: 256) – TYPES: HT + PT - AMU, PT - NMK
- Neocaeculus imperfectus* Taylor, Gunawardene & Kinnear, 2013 (Page: 440) – TYPES: HT + PT - WAM
- Neophyllobius ayvalikensis* Akyol, 2013 (Page: 543) – TYPES: HT + PT - CBZM
- Neophyllobius izmirensis* Akyol, 2013 (Page: 544) – TYPES: HT + PT - CBZM
- Neophyllobius lalbaghensis* Zeity & Gowda, 2013 (Page: 547) – TYPES: HT + PT - IARI, PT - NBAII, AINP
- Neophyllobius lorestanicus* Khanjani & Ahmad-Hoseini, 2014 (Page: 450) – TYPES: HT + PT - BASU, PT - ARC-PPRI
- Neophyllobius ostovani* Khanjani & Ahmad-Hoseini, 2014 (Page: 443) – TYPES: HT + PT - BASU, PT - ARC-PPRI
- Neophyllobius quercus* Ulucay & Koc, 2014 (Page: 15) – TYPES: HT - HUAC, PT - CBZM
- Neophyllobius saberi* Ahaniazad & Bagheri, 2013 (Page: 342) – TYPES: HT - ARC-PPRI, PT - ALUM
- Neopronematus solani* Laniecka & Kazmierski, 2013 (Page: 34) – TYPES: HT + PT - AMU
- Neosyringophilopsis lybidus* Skoracki, Klimovicova, Muchai & Hormada, 2014 (Page: 180) – TYPES: HT + PT - AMU, PT - ZISP, NMK
- Neosyringophilopsis picidus* Skoracki, Klimovicova, Muchai & Hormada, 2014 (Page: 184) – TYPES: HT + PT - AMU, PT - ZISP, NMK
- Osperalycus tenerphagus* Bolton & Klompen, 2014 (Page: 1361) – TYPES: HT + PT - OSAL, PT - USNM, USDAB, NHML
- Palpipalpus hesperius* Beard & Seeman, 2014 (Page: 81) – TYPES: HT + PT - WAM, PT - QM, ANIC, USNM
- Pavania setiformis* Loghmani & Hajiqanbar, 2013 (Page: 321) – TYPES: HT - AETMU, PT - BGZM, USNM, NBG, DATE
- Pentamerismus hicklingorum* Seeman & Beard, 2014 (Page: 104) – TYPES: HT + PT - QM, PT - ANIC
- Pentamerismus sititoris* Beard & Seeman, 2014 (Page: 89) – TYPES: HT + PT - QM, PT - ANIC
- Pentamerismus wardo* Beard & Seeman, 2014 (Page: 97) – TYPES: HT + PT - WAM, PT - QM, ANIC

- Petalomium camponoti* Hajiqanbar & Khaustov, 2013 (Page: 712) – TYPES: HT - AETMU, PT - BGZM, NBG & Maslov, 2013 (Page: 92) – TYPES: HT + PT - NBG, PT - ZISP
- Petalomium crinitus* Khaustov & Trach, 2013 (Page: 43) – TYPES: HT - NBG, PT - ONU
- Philippipalpus belah* Beard & Seeman, 2014 (Page: 121) – TYPES: HT + PT - QM
- Philippipalpus flumaquercus* Beard & Seeman, 2014 (Page: 116) – TYPES: HT + PT - QM, PT - ANIC, USNM
- Philippipalpus nigraquercus* Seeman & Beard, 2014 (Page: 124) – TYPES: HT + PT - QM
- Picineoaulonastus pogoniulus* Skoracki, Klimovicova, Muchai & Hormada, 2014 (Page: 180) – TYPES: HT + PT - AMU, PT - ZISP, NMK
- Picobia hylocichlae* Skoracki, Spicer & OConnor, 2014 (Page: 105) – TYPES: HT + PT - UMMZ, PT - AMU, ZISP
- Picobia illadopsae* Skoracki & Hromada, 2013 (Page: 202) – TYPES: HT + PT - AMU, PT - ISB, ZISP
- Picobia myiopagi* Glowska & Milensky, 2014 (Page: 378) – TYPES: HT + PT - USNM, PT - AMU
- Picobia ochoi* Glowska & Milensky, 2014 (Page: 374) – TYPES: HT + PT - USNM, PT - AMU
- Picobia passeri* Skoracki & Sikora, 2014 (Page: 195) – TYPES: HT + PT - ZISP, PT - AMU
- Picobia phoenicuri* Skoracki & Hromada, 2013 (Page: 208) – TYPES: HT + PT - AMU
- Picobia sayornis* Glowska, 2014 (Page: 140) – TYPES: HT + PT - USNM, PT - AMU
- Picobia schmidti* Glowska & Milensky, 2014 (Page: 378) – TYPES: HT + PT - USNM, PT - AMU
- Pipicobia terpsiphoni* Glowska & Schmidt, 2014 (Page: 59) – TYPES: HT + PT - USNM, PT - AMU
- Prelorryia labrusca* Silva, Cunha & Ferla, 2014 (Page: 506) – TYPES: HT - ESALQ/USP
- Premicrodispus (Premicrodispoidea) punctatus* Khaustov
- Pseudopygmephorellus troxi* Khaustov & Trach, 2014 (Page: 91) – TYPES: HT - NBG
- Pteroclidisyringophilus ottididus* Skoracki, Unsoeld & Skorupski, 2014 (Page: 349) – TYPES: HT + PT - AMU, PT - ZSM, ZISP
- Pterygosoma aqabensis* Fajfer & Melnikov, 2014 (Page: 402) – TYPES: HT + PT - ZISP, PT - AMU
- Pterygosoma dhofarensis* Fajfer & Melnikov, 2014 (Page: 407) – TYPES: HT + PT - ZISP, PT - AMU
- Pterygosoma engai* Fajfer, 2013 (Page: 272) – TYPES: HT + PT - ZMUC, PT - AMU, ZISP
- Pterygosoma fragilis* Fajfer, 2013 (Page: 260) – TYPES: HT - ZMUC, PT - AMU, ZISP
- Pterygosoma garissi* Fajfer, 2013 (Page: 257) – TYPES: HT - ZMUC, PT - AMU, ZISP
- Pterygosoma indare* Fajfer, 2013 (Page: 276) – TYPES: HT + PT - ZMUC, PT - AMU, ZISP
- Pterygosoma olape* Fajfer, 2013 (Page: 278) – TYPES: HT - ZMUC
- Pukakia aoraki* Clark, 2014 (Page: 198) – TYPES: HT - CMNZ, PT - NHML, SAMA
- Pulaeus razanensis* Den Heyer, 2013 (Page: 2059) – TYPES: HT + PT - ARC-PPRI
- Raphignathus hatamii* Khanjani, Pishehvar, Mirmoayed & Khanjani, 2013 (Page: 62) – TYPES: HT + PT - BASU, PT - ARC-PPRI
- Schizotetranychus krungthepensis* Naing & Auger, 2014 (Page: 258) – TYPES: HT + PT - IMKU
- Scutopalus tomentosus* Rocha, Skvarla & Ferla, 2013 (Page: 39) – TYPES: HT - ESALQ/USP, PT - MCN
- Sicilitrombium albanesianum* Haitlinger, 2013 (Page: 1998) – TYPES: HT + PT - MNHWU
- Silphitrombium elateridum* Tashakor, Hajiqanbar & Saboori, 2013 (Page: 458) – TYPES: HT - AETMU, PT - JAZM

- Silphitrombium iranicum* Tashakor, Hajiqanbar & Saboori, 2013 (Page: 464) – TYPES: HT - AETMU, PT - JAZM
- Simalurapolipus hiraii* Kurosa & Husband, 2013 (Page: 253) – TYPES: HT - NMNS, PT - ACAC, CKK
- Siseca todai* Takahashi & Misumi, 2011 (Page: 178) – TYPES: HT - NSMT
- Sonotetranychus menziesii* Yi & Zhang, 2013 (Page: 335) – TYPES: HT + PT - NZAC
- Stigmaeus isfahaniensis* Bagheri, Jafari & Saboori, 2014 (Page: 152) – TYPES: HT + PT - ALUM, PT - ACASI
- Stigmaeus kuznetsovi* Khaustov, 2014 (Page: 241) – TYPES: HT + PT - TUMZ
- Stigmaeus makouiensis* Bagheri & Maleki, 2013 (Page: 551) – TYPES: HT - ARC-PPRI, PT - ALUM
- Stigmaeus mitrofanovi* Khaustov, 2014 (Page: 238) – TYPES: HT - TUMZ
- Stigmaeus saboori* Bagheri & Paktinat-Saejj, 2013 (Page: 553) – TYPES: HT - ARC-PPRI, PT - ALUM
- Stigmaeus silvestris* Khaustov, 2014 (Page: 245) – TYPES: HT + PT - TUMZ
- Storchia elhamae* Hassanzadeh, Khanjani, Safaralizadeha & Mirfakhraie, 2013 (Page: 352) – TYPES: HT + PT - CALBS, PT - ARC-PPRI
- Storchia hakkariensis* Ulucay, 2014 (Page: 220) – TYPES: HT + PT - HUAC
- Syringophiloidus furthi* Glowska & Schmidt, 2014 (Page: 61) – TYPES: HT + PT - USNM, PT - AMU
- Syringophiloidus quetzali* Skoracki, Mironov & Unsoeld, 2013 (Page: 292) – TYPES: HT + PT - AMU, PT - ZISP, ZSM
- Syringophilopsis trogoni* Skoracki, Mironov & Unsoeld, 2013 (Page: 295) – TYPES: HT - UNAM, PT - ZISP
- Syringophilopsis philemonis* Glowska & Laniecka, 2013 (Page: 386) – TYPES: HT + PT - BGZM
- Syringophilopsis szeffleri* Glowska, 2014 (Page: 142) – TYPES: HT + PT - USNM, PT - AMU
- Tenuipalpus apichai* De Castro & Feres, 2013 (Page: 483) – TYPES: HT + PT - DZSJRP, PT - NMNH
- Tenuipalpus bacuri* Flechtmann & Noronha, 2013 (Page: 493) – TYPES: HT + PT - ARC-PPRI
- Tenuipalpus nambii* De Castro & Feres, 2013 (Page: 485) – TYPES: HT + PT - DZSJRP, PT - NMNH
- Tenuipalpus tapiae* De Castro & Feres, 2013 (Page: 475) – TYPES: HT + PT - DZSJRP, PT - NMNH
- Tenuipalpus zahirii* Khanjani & Seeman, 2013 (Page: 390) – TYPES: HT + PT - CALBS, PT - QM
- Terminalichus sanya* Xu, Fan & Huang, 2014 (Page: 235) – TYPES: HT + PT - NZMC, PT - FAFU, NZAC
- Tetranychus iraniensis* Mahdavi & Ueckermann, 2013 (Page: 246) – TYPES: HT + PT - SBUK, PT - ARC-PPRI
- Tetranychus occultaspina* Naing & Auger, 2014 (Page: 263) – TYPES: HT + PT - IMKU
- Tetranychus truncatissimus* Naing & Auger, 2014 (Page: 269) – TYPES: HT + PT - IMKU
- Troxodania magnifica* Khaustov & Trach, 2014 (Page: 88) – TYPES: HT + PT - NBG, PT - ONU
- Tuckerella fossilibus* Khaustov, Sergeyenko & Perkovsky, 2014 (Page: 367) – TYPES: HT - SIZK
- Tydeus clavimaculatus* Kazmierski, 2013 (Page: 10) – TYPES: HT + PT - AMU
- Tydeus manoi* Silva, Rocha & Ferla, 2014 (Page: 504) – TYPES: HT - ESALQ/USP, PT - USP
- Tydeus martae* Kazmierski, 2013 (Page: 5) – TYPES: HT + PT - AMU
- Tydeus narolicatus* Kazmierski & Ripka, 2013 (Page: 2) – TYPES: HT + PT - AMU
- Tydeus riopardensis* Silva, Cunha & Ferla, 2014 (Page: 503) – TYPES: HT + PT - MCN
- Ultratenipalpus avarua* Xu, Fan & Zhang, 2013 (Page: 224) – TYPES: HT + PT - NZAC
- Zambedania argentiniana* Camerik & Magowski, 2014

(Page: 89) – TYPES: HT + PT - BGZM

Zambedania madagascariana Camerik & Magowski, 2014 (Page: 83) – TYPES: HT - MHNG

Zetzellia ampelae Johann & Ferla, 2013 (Page: 252) – TYPES: HT + PT - MCN

New genera

Charadriineopicobia Skoracki, Spicer & OConnor, 2014 (Page: 102) Typ. sp.: *Charadriineopicobia calidris* Skoracki, Spicer & OConnor, 2014

Colisyringophilus Skoracki, Unsoeld & Ozminski, 2013 (Page: 214) Typ. sp.: *Colisyringophilus tanzanicus* Skoracki, Unsoeld & Ozminski, 2013

Gunabopicobia Skoracki & Hromada, 2013 (Page: 196) Typ. sp.: *Picobia zumpti* Lawrence, 1959

Laptrombicula Stekolnikov, 2014 (Page: 22) Typ. sp.: *Laotrombicula khunboromi* Stekolnikov, 2014

Lawrencipicobia Skoracki & Hromada, 2013 (Page: 199) Typ. sp.: *Picobia poicephali* Skoracki & Dabert, 2002

Osperalyces Bolton & Klompen, 2014 (Page: 1361) Typ. sp.: *Osperalyces tenerphagus* Bolton & Klompen, 2014

Palpipalpus Beard & Seeman, 2014 (Page: 80) Typ. sp.: *Palpipalpus hesperius* Beard & Seeman, 2014

Picineoaulonastus Skoracki, Klimovicova, Muchai & Hormada, 2014 (Page: 179) Typ. sp.: *Picineoaulonastus pogoniulus* Skoracki, Klimovicova, Muchai & Hormada, 2014

Pipicobia Glowska & Schmidt, 2014 (Page: 58) Typ. sp.: *Picobia locustella* Skoracki, Bochkov & Wauthy, 2004

Pukakia Clark, 2014 (Page: 196) Typ. sp. *Pukakia aoraki* Clark, 2014

Sicilitrombium Haitlinger, 2013 (Page: 1998) Typ. sp.: *Sicilitrombium albanesianum* Haitlinger, 2013

Simalurapolipus Kurosa & Husband, 2013 (Page: 253)

Typ. sp.: *Simalurapolipus hiraii* Kurosa & Husband, 2013

Troxodania Khaustov & Trach, 2014 (Page: 87) Typ. sp.: *Pygmephorus decumanus* Krczal, 1959

New subgenera

Premicrodispus (*Premicrodispoides*) Khaustov & Maslov, 2013 (Page: 91) Typ. sp.: *Premicrodispus* (*Premicrodispoides*) *punctatus* Khaustov & Maslov, 2013

New combinations

Abrolophus angustum (Evans, 1953) – [Makol & Wohltmann, 2013: 16]

Abrolophus bipilum (Meyer & Ryke, 1959) – [Makol & Wohltmann, 2013: 16]

Abrolophus vignae (Meyer & Ryke, 1959) – [Makol & Wohltmann, 2013: 16]

Balaustium biljanae (Haitlinger, 2000) – [Makol & Wohltmann, 2013: 17]

Bryobia longisetis (Reck, 1947) – [Auger & Migeon, 2014: 16]

Charletonia gabini (Haitlinger, 2004) – [Clark, 2014: 186]

Dendroptus flexus (Livshitz, Mitrofanov & Sharonov, 1979) – [Magowski, Di Palma & Ripka, 2013: 353]

Gunabopicobia zumpti (Lawrence, 1959) – [Skoracki & Hromada, 2013: 197]

Larencipicobia poicephali (Skoracki & Dabert, 2002) – [Skoracki & Hromada, 2013: 199]

Leptotrombidium alaicum (Kharadov, 1994) – [Stekolnikov, 2013: 130]

Leptotrombidium dunqingi (Liu, Xiang & Ma, 2003) – [Stekolnikov, 2013: 113]

Leptotrombidium hubeiense (Wang, Li & Shi, 1989) – [Stekolnikov, 2013: 110]

- Leptotrombidium kunitzkyi* (Kudryashova, 1988) – [Stekolnikov, 2013: 129] = *Leptotrombidium intermedium* (Nagayo, Mitamura & Tamiya, 1920)
- Leptotrombidium mongolicum* (Kudryashova, 1988) – [Stekolnikov, 2013: 128] *Leptotrombidium deliense microsetosa* Zhao, Tang & Mo, 1986 – [Stekolnikov, 2013: 64]
= *Leptotrombidium deliense* (Walch, 1922)
- Leptotrombidium nainae* (Kharadov, 1990) – [Stekolnikov, 2013: 128] *Leptotrombidium deliense sinense* Wen & Chen, 1984 – [Stekolnikov, 2013: 64]
= *Leptotrombidium deliense* (Walch, 1922)
- Leptotrombidium nudisensillum* (Yu, Gong & Tao, 1981) – [Stekolnikov, 2013: 136] *Leptotrombidium fletcheri francolini* Wen & Xiang, 1984 – [Stekolnikov, 2013: 93]
= *Leptotrombidium fletcheri* (Womersley & Heaslip, 1943)
- Microtrombidium pretoriensis* (Meyer & Ryke, 1960) – [Makol & Wohltmann, 2013: 20] *Leptotrombidium imphalum sabahense* Vercammen-Grandjean & Langston, 1976 – [Stekolnikov, 2013: 66]
= *Leptotrombidium imphalum* (Vercammen-Grandjean & Langston, 1976)
- Pipicobia glossopsitta* (Skoracki, 2008) – [Glowska & Schmidt, 2014: 59] *Leptotrombidium hiranumai* Kanda, 1942 – [Stekolnikov, 2013: 81]
= *Leptotrombidium intermedium* (Nagayo, Mitamura & Tamiya, 1920)
- Pipicobia locustella* (Skoracki, Bochkov & Wauthy, 2004) – [Glowska & Schmidt, 2014: 58]
- Pipicobia pyrrholaeus* (Skoracki & Glowska, 2008) – [Glowska & Schmidt, 2014: 59]
- Troxodania decumanus* (Krcal, 1959) – [Khaustov & Trach, 2014: 87] *Leptotrombidium kaohuense* Li, Wang & Chen, 1997 – [Stekolnikov, 2013: 70]
= *Leptotrombidium wenense* (Wu, Wen, Yang & Wu, 1982)
- Troxodania fengxiannis* (Gao & Zou, 1992) – [Khaustov & Trach, 2014: 87]

New synonyms

- Bakerdania sinanii* Sevastianov & Zahida Al Douri, 1989 – [Khaustov & Trach, 2014: 87]
= *Troxodania decumanus* (Krcal, 1959)
- Hsuella* Wang, Li & Shi, 1989 – [Stekolnikov, 2013: 8]
= *Leptotrombidium Nagayo*, Miyagawa, Mitamura & Imamura, 1916
- Leptotrombidium (Monosignum)* Wen, 2001 – [Stekolnikov, 2013: 8]
= *Leptotrombidium Nagayo*, Miyagawa, Mitamura & Imamura, 1916
- Leptotrombidium chiangraiensis* Tanskul & Linthicum, 1997 – [Stekolnikov, 2013: 66]
= *Leptotrombidium imphalum* (Vercammen-Grandjean & Langston, 1976)
- Leptotrombidium daisen* Vercammen-Grandjean & Langston, 1976 – [Stekolnikov, 2013: 81] *Leptotrombidium muntiaci* Xiang & Wen, 1984 – [Stekolnikov, 2013: 124]
= *Leptotrombidium turdicola* Vercammen-Grandjean & Langston, 1976
- Leptotrombidium pakistanum* Vercammen-Grandjean & Langston, 1976 – [Stekolnikov, 2013: 61]
= *Leptotrombidium silvaticum* Hushcha & Schluger, 1967
- Leptotrombidium rusticums* Yu, Yang & Gong, 1986 – [Stekolnikov, 2013: 41]

= *Leptotrombidium cricethrionis* Wen, Sun & Sun, 1984

Leptotrombidium sorosi Kharadov, 1995 – [Stekolnikov, 2013: 105]

= *Leptotrombidium apertum* Kudryashova, 1979

Leptotrombidium suense Wen, 1984 – [Stekolnikov, 2013: 124]

= *Leptotrombidium turdicola* Vercammen-Grandjean & Langston, 1976

Leptotrombidium tolaicus Kharadov, 2000 – [Stekolnikov, 2013: 105]

= *Leptotrombidium apertum* Kudryashova, 1979

Leptotrombidium ushi Stekolnikov, 2013 pro
Leptotrombidium hsui Wu, Yang & Li, 1999
[Stekolnikov, 2013: 38]

New status

Caeculisoma argus Vitzthum, 1926 – [Makol & Wohltmann, 2013: 17]

Caeculisoma io Southcott, 1961 – [Makol & Wohltmann, 2013: 17]

Neomomorangia Fain & Santiago-Blay, 1993 – [Clark, 2014: 186]

New names

Eryngiopus coheni Vacante & Gerson, 2014 pro
Eryngiopus summersi Vacante & Gerson, 1988
[Vacante & Gerson, 2004: 135]

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