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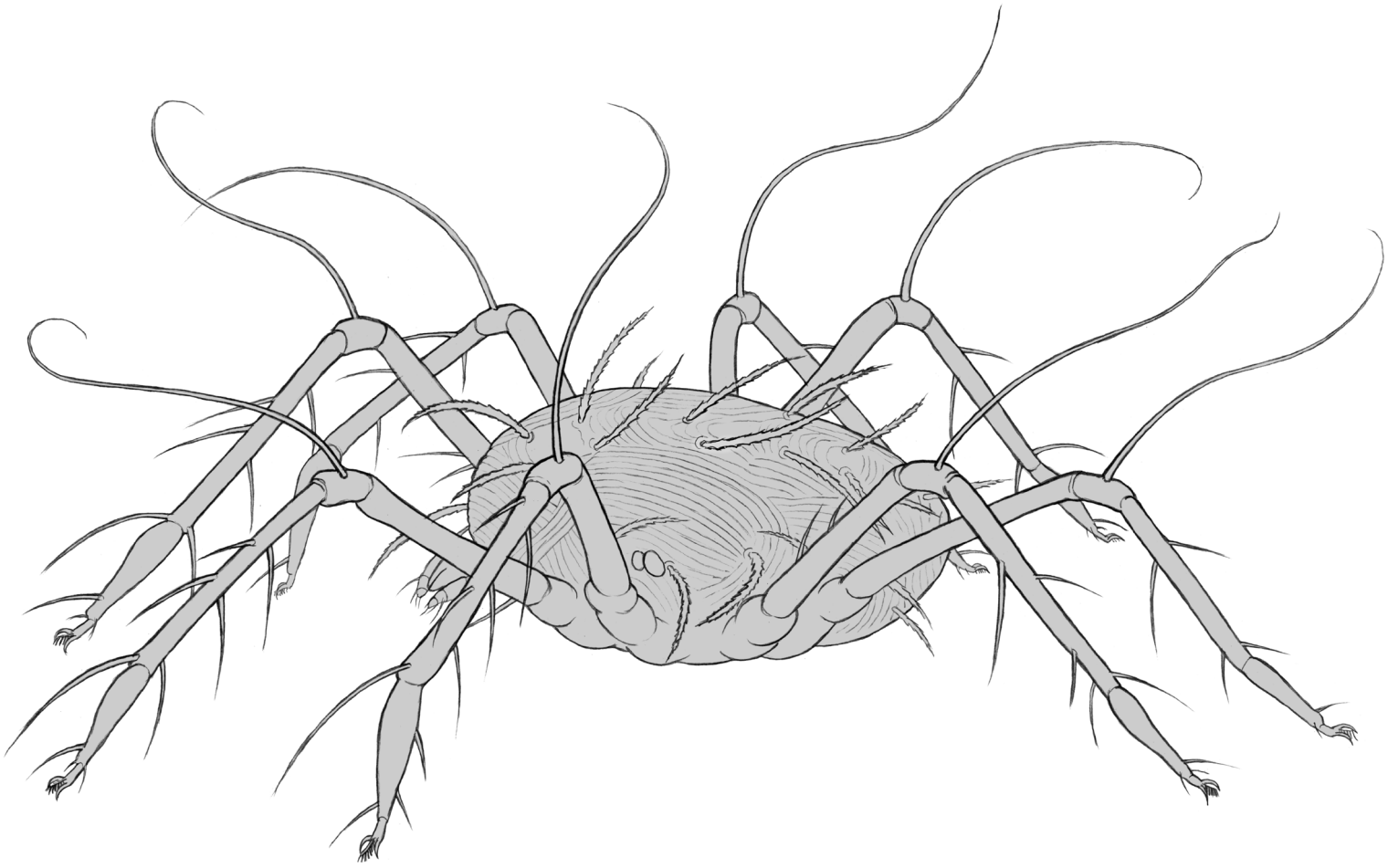

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Actinedida

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ACARI – Bibliographia Acarologica – now in its 18th year – aims to advance and help propagate acarological knowledge. To this end, each year we compile all internationally available papers published on Acari, as far as they become known to us. As always, two major taxon groups are excluded from this bibliography on the paraphyletic Actinedida – the Eriophyidae and the paraphyletic "Hydracarina" since literature databanks of these groups are available elsewhere.

With more than 300 papers recorded this year, the present bibliography is somewhat less than the last few years, but on average for actinedid research in the last decade. Research on 38 families is reported in this issue, of the more than 160 families known for Actinedida. Almost half of the papers once again deal with the economically important Tetranychidae, with much work also on other health and food-safety relevant taxa such as Tenuipalpidae, Tarsonemidae and Trombiculidae. Strongly represented this year are as usual Heterostigmata (ca. 17%) and Parasitengona (14% of all papers, the majority dealing with chiggers and Erythraeidae). Stigmaeidae are represented by 10 the publications (about 4%). Endeostigmata are again not reported at all this year. It is interesting to observe how the taxonomic distribution of actinedid research remains very similar from year to year, representing not only economic interests, but probably mostly the taxonomic expertise of current researchers. As the number of taxonomists declines worldwide, the diversity of taxonomic research and thus our knowledge on biodiversity continues to become increasingly depauperate.

Economically important research dominates actinedid research; this year general plant (crop) protection topics – i.e., acarine-pest biology, biological mite control (including predator-prey relationships) and the ecology/biology of plant pests – again account for the majority (over 40%) of all papers. Systematics and taxonomy remain the second-most important topic (39% of all papers), with over 100 descriptions of new species and 13 new genera in about 80 papers. Although the number of morphological papers has increased somewhat, the number of species descriptions has steadily declined in the last five years, again indicating how basic taxonomic research of this mite group is steadily deteriorating. On the other hand, molecular biological research on Actinedida continues to increase (20 papers this year), almost all related to the economically important Tetranychidae.

Taxonomic revisions and determination keys still remain sorely needed for most soil-living families and genera, their availability will help promote ecological field research on Actinedida. The present bibliography does include a number of keys, i.e. for both Serbian and Saudi Arabian Tetranychidae or the subfamily Pteridopodinae (Chyzeriidae; including a revision). Most keys are for species of specific genera, such as *Neobonzia* (Cunaxidae), Larval *Balaustium* (Erythraeidae), *Eryngiopus* and *Agistemus* (Stigmaeidae) as well as *Obuloides* and *Terminalichus* (Tenuipalpidae). A new Brazilian database on Tetranychidae is reported by Flechtmann et al. 2018.

We once again point out the lack of general ecological research, considering that Actinedida represent one of the most abundant soil-microarthropod groups. Research relating to general biology of these mites continues to decline from year to year. Only three papers in the present volume deal explicitly with Actinedida in the soil fauna. Nonetheless, a number of checklists are reported in this volume, which can be valuable for general biodiversity studies, including checklists for marine littoral mangroves, Israeli Tenuipalpidae, Hungarian Tetranychidae and Tenuipalpidae, but also for African and Brazilian chiggers.

Due to the new European data-protection legislation, we no longer collect the addresses and e-mails of the first authors. This information can normally be found in the publications themselves. We therefore can no longer report

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on the geographic distribution of Actinedida research around the globe. However, it remains notable how much research originates from Middle-Eastern and Asian countries, increasing the global taxonomic knowledge of actinedid mites as these areas continue to be a centre of recent basic acarological taxonomic research.

The acarological literature collection and databank in Görlitz is one of the largest in the world. The databank of Actinedid literature cited in ACARI has now accumulated 8,699 papers on 3,944 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 expressly thank all authors who have assisted this goal and sent reprints of their papers. We nonetheless ask for your continued help by sending reprints or copies of all your papers on actinedid mites. 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..

Acarological literature

Literature citations printed in bold type contain descriptions of new species. Titles marked with "*" were only found as a citation or abstract.

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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:

Zetziella kamali Akyol & Gül, 2018 (Page: 464[1]) – TYPES: HT[2] + PT[2] - CBZM[3]

1 – first page of the description

2 – holotype (HT), paratypes (PT) or allotypes (AT)

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

ABUH - **A**l-**B**aath **U**niversity, Department of Plant Protection, Faculty of Agriculture, **H**oms, Syria

ACASI - **A**carological **C**ollection, **A**carological **S**ociety of **I**ran, University of Tehran, Karaj, Iran

AETMU - **A**carological Collection, Department of **E**ntomology, Faculty of Agriculture, **T**arbiat **M**odares **U**niversity, Tehran, Iran

ALUG - **A**carology **L**aboratory, Department of Plant Protection, **U**niversity of **G**uilan, Guilan, Iran

ALUM - **A**carology **L**aboratory, Department of Plant Protection, **U**niversity of **M**aragheh, Maragheh, Iran

AMU - **A**dam **M**ickiewicz **U**niversity, Natural History Collection, Poznań, Poland

ANIC - **A**ustralian **N**ational **I**nsect **C**ollection, CSIRO Division of Entomology, Canberra, Australia

BASU - **B**u-**A**li **S**ina **U**niversity, Acarology Laboratory, Hamedan, Iran

BZOL - **B**iologie**Z**entrum des **O**berösterreichischen **L**andesmuseums, Linz, Austria

CALBS - **C**ollection of the **A**carology **L**aboratory, University of **B**u-Ali **S**ina, Hamadan, Iran

CBD - **C**ollection of **B**urkhard **D**ietrich, Sarstedt, Germany

CBZM - **C**elal **B**ayar University, **Z**oological **M**useum, Manisa, Turkey

CECOUAL - **CE**ntro de Investigación de **CO**lecciones Cientificas de la **U**niversidad de **AL**meria, Almeria, Spain

CHG - **C**ollection of **H**einrich **G**rabenhorst, Wienhausen, Germany

CNC - **C**anadian **N**ational **C**ollection of Insects, Arachnids and Nematodes, Ottawa, Canada

DATE - **D**epartment of **A**nimal **T**axonomy and **E**cology, Adam Mickiewicz University, Poznań, Poland

DZSJRP - **D**epartamento de **Z**oologia, Campus de **S**.**J**. do **R**io **P**reto, Universidade Estadual Paulista, Sao Paulo, Brazil

DZUB - **D**epartment of **Z**oology, **U**niversity of **B**rasilia, Brasilia, Brazil

ESALQ/USP - **E**scola **S**uperior de **A**gricultura "**L**uiz de **Q**ueiroz", **U**niversidade de **S**ao **P**aulo, Departamento de Entomologia e Acarologia, Piracicaba, Brazil

FAFU - **F**ujian **A**gricultural and **F**orestry **U**niversity, Department of Plant Protection, Fuzhou, China

FMNH - **F**ield **M**useum of **N**atural **H**istory, Chicago, USA

FUM - Department of Plant Protection, **F**erdowski **U**niversity of **M**ashhad, Mashhad, Iran

GPIH - **G**eologisch-**P**aläontologisches **I**nstitut der Universität **H**amburg, Hamburg, Germany

GUGC - **G**uizhou **U**niversity, Institute of Entomology, **G**uiyang, Guizhou, **C**hina

GXU - **G**uang**X**i **U**niversity, Department of Plant Protection, Nanning, China

HUM - **H**okkaido **U**niversity **M**useum, Sapporo, Japan

IPCAS - **I**nstitute of **P**arasitology, Biology **C**entre **A**cademy of **S**ciences of the Czech Republic, České Budejovice, Czech Republic

IRSNB - L'**I**nstitut **R**oyal des **S**ciences **N**aturelles, **B**ruxelles, Belgium

JAZM - **J**alal **A**fshar **Z**oological **M**useum, Acarological Collection, University of Tehran, Karaj, Iran

KFUG - **K**arl-**F**ranzens-**U**niversity, Institute of Zoology, **G**raz, Austria

KSMA - **K**ing **S**aud University **M**useum of **A**rthropods, Riyadh, Saudi Arabia

MAI - **M**useum of **A**mber **I**nclusions, Department of Invertebrate Zoology and Parasitology, University of Gdańsk, Gdańsk, Poland

MCN - **M**useu de **C**iencias **N**aturais da Univates Centro Universitário, Lajeado, Brazil

MIZ - **M**useum and **I**nstitute of **Z**oology, Polish Academy of Sciences, Warszawa, Poland

MNCN - **M**useo **N**acional de **C**iencias **N**aturales, Madrid, Spain

MNHP - **M**useum of **N**atural **H**istory, **P**odgorica, Montenegro

MNHWU - **M**useum of **N**atural **H**istory, **W**rocław **U**niversity of Environmental and Life Sciences, Wrocław, Poland

MPMT - **M**eguro **P**arasitological **M**useum, **T**okyo, Japan

MZLQ - **M**useu de **Z**oologia da Escola Superior de Agricultura "**L**uiz de **Q**ueiroz", Piracicaba, São Paulo, Brazil

NCA-PPRI - South Africa **N**ational **C**ollection of **A**rachnida (Acari), **P**lant **P**rotection **R**esearch **I**nstitute, Pretoria, South Africa

NHME - **N**atural **H**istory **M**useum of **E**rfurt, Erfurt, Germany

NJAU - **N**an**J**ing **A**gricultural **U**niversity, Department of Entomology, Jiangsu Province, Nanjing, China

NMB - **N**ational **M**useum **B**loemfontein, Bloemfontein, South Africa

NMK - **N**ational **M**useums of **K**enya, Nairobi, Kenya

NMNH - National Insect and Mite Collection, **N**ational **M**useum of **N**atural **H**istory, Smithsonian Institution, Beltsville, USA

NMNST - **N**ational **M**useum of **N**ature and **S**cience, **T**sukuba, Japan

NSMT - National Museum of Nature and Science, formely **N**ational **S**cience **M**useum, **T**okyo, Japan

NWUP - **N**orth-**W**est **U**niversity, **P**otchefstroom, South Africa

NZAC - **N**ew **Z**ealand **A**rthropod **C**ollection, Landcare Research, Auckland, New Zealand

NZMC - **N**ational **Z**oological **M**useum of **C**hina, Institute of Zoology, Chinese Academy of Sciences, Beijing, China

ONUDZ - I.I. Mechnikov **O**dessa **N**ational **U**niversity, **D**epartment of **Z**oology, Odessa, Ukraine

OSAL - **O**hio **S**tate University, Museum of Biological Diversity, **A**carology **L**aboratory, Columbus, Ohio, USA

QM - **Q**ueensland **M**useum, South Brisbane, Queensland, Australia

SBUK - Collection of the Acarology Laboratory, **S**hahid **B**ahonar **U**niversity of **K**erman, Kerman, Iran

SMNG - **S**enckenberg **M**useum für **N**aturkunde **G**örlitz, Görlitz, Germany

TSUMZ - **T**yumen **S**tate **U**niversity **M**useum of **Z**oology, Tyumen, Russia

TUAC - **T**abriz **U**niversity, Department of Plant Protection, **A**carological **C**ollection, Tabriz, Iran

UESC - **U**niversidade **E**stadual de **S**anta **C**ruz, Laborátoria de Entomologia, Ilhéus, Bahia, Brazil

UFLA - **U**niversidade **F**ederal de **LA**vras, Lavras, Minas Gerais, Brazil

UFMG - **U**niversidade **F**ederal de **M**inas **G**erais, Departamento de Zoologia, Colecao de Acarologia, Belo Horizonte, Brazil

UGDIZP - **U**niversity of **G**dańsk, **D**epartment of **I**nvertebrate **Z**oology and **P**arasitology, Gdańsk, Poland

UMMZ - **U**niversity of **M**ichigan, **M**useum of **Z**oology, Ann Arbor, USA

UNESP - **UN**iversidade **ES**tadual **P**aulista, Campus de Sao José do Rio Preto, Sao Paulo, Brazil

UPLB - **U**niversity of **P**hilippines **L**os **B**anos, Museum of Natural History, Laguna, Philippinen

USNM - **U**nited **S**tates **N**ational **M**useum of Natural History, Washington, USA

ZISP - **Z**oological **I**nstitute, Russian Academy of Sciences, **S**t. **P**etersburg, Russia

ZSM - **Z**oologische **S**taatssammlungen, **M**ünchen, Germany

New species

Abrolophus marianopolicus Haitlinger & Šundić, 2018 (Page: 354) – TYPES: HT + PT - MNHWU, PT - BZOL, MNHP

Acarhis kleinhovia Tan, Yang, Lai & Wang, 2015 (Page: 770) – TYPES: HT + PT - GXU

Agistemus jawadi Rehman, Kamran & Alatawi, 2018 (Page: 1053) – TYPES: HT + PT - KSMA

Armascirus raulzito Rocha & Argolo, 2017 (Page: 114) – TYPES: HT – ESALQ/USP, PT - UESC

Athyreacarus primitivus Khaustov & Frolov, 2017 (Page: 502) – TYPES: HT + PT - UNESP, PT - TSUMZ, ZISP

Bakerdania minuta Khaustov & Minor, 2018 (Page: 290) – TYPES: HT + PT - NZAC, PT - TSUMZ

Balaustium akramii Noei, 2017 (Page: 2219) – TYPES: HT + PT - JAZM, PT - ACASI

Caesarodispus delabiei Silva, Khaustov & Oliveira, 2018 (Page: 1258) – TYPES: HT - UESC, PT - ESALQ/USP

Callidosoma cassiculophylla Oliveira Bernardi, Wohltmann, Lornezon & Ferreira, 2017 (Page: 461) – TYPES: HT + PT - UFLA, PT - MZLQ, SMNG, UFMG

Castosyringophilus meropis Skoracki, Hromada & Sikora, 2017 (Page: 2) – TYPES: HT + PT - AMU, PT - IPCAS, ZSM, NMK

Cheiracus costus Tan, Yang, Lai & Wang, 2015 (Page: 778) – TYPES: HT + PT - GXU

Chenaphila marmaronetta Zmudzinski & Unsoeld, 2017 (Page: 480) – TYPES: HT + PT - AMU, PT - ZSM

Cheyletus rashtiensis Salarzehi, Hajizadeh & Ueckermann, 2018 (Page: 641) – TYPES: HT + PT - ALUG, PT - NCA-PPRI

Cicaditrombium lorestanensis Noei, 2017 (Page: 174) – TYPES: HT + PT - JAZM, PT - ACASI

Collemboerythraeus izadpanahi Noei, Sabbori, Sedghi & Hakimitabar, 2017 (Page: 2) – TYPES: HT + PT - JAZM, PT - ACASI

Collemboerythraeus vosoughae Noei, Saboori & Hakimitabar, 2017 (Page: 1259) – TYPES: HT + PT - JAZM, PT - ACASI

Cretessenia roccamenaica Haitlinger & Šundić, 2018 (Page: 421) – TYPES: HT - MNHWU

Cunaxa iranica Paktinat-Saeij, Bagheri & Castro, 2017 (Page: 1278) – TYPES: HT + PT - ALUM, PT -JAZM, ACASI

Cyta kreiteri Barbar & Ueckermann, 2017 (Page: 1090) – TYPES: HT + PT - ABUH

Demodex bandicotae Izdebska, Rolbiecki, Morand & Ribas, 2017 (Page: 1911) – TYPES: HT - UGDIZP, PT - MIZ

Demodex fusiformis Izdebska & Rolbiecki, 2015 (Page: 608) – TYPES: HT - UGDIZP, PT - MIZ

Demodex marculus Izdebska & Rolbiecki, 2015 (Page: 607) – TYPES: HT - UGDIZP, PT - MIZ

Diptacus genusetosus Gol, Namaghi & Lillo, 2018 (Page: 1044) – TYPES: HT + PT - FUM

Diptacus longiscatuber Gol, Namaghi & Lillo, 2018 (Page: 1046) – TYPES: HT + PT - FUM

Dividilobus parvifolius Xu & Xue, 2017 (Page: 1401) – TYPES: HT + PT - NJAU, PT - NZMC

Dolichocybe sibiriensis Khaustov, 2017 (Page: 1679) – TYPES: HT - TSUMZ

Eotetranychus spinophilus Zhang, Beard & Seeman, 2017 (Page: 497) – TYPES: HT + PT - QM, PT - ANIC, USNM

Excelsotarsonemus cabrucae Sousa, Lofego & Ochoa, 2018 (Page: 71) – TYPES: HT + PT - DZSJRP, PT - NMNH, UESC, ESALQ/USP

Fessonia grabenhorsti Bartel, Konkikiewicz, Makol, Wohltmann & Dunlop, 2015 (Page: 653) – TYPES: HT - CHG, PT - CBD

Fessonia groehni Bartel, Konkikiewicz, Makol, Wohltmann & Dunlop, 2015 (Page: 655) – TYPES: HT - GPIH

Fessonia wunderlichi Bartel, Konkikiewicz, Makol, Wohltmann & Dunlop, 2015 (Page: 649) – TYPES: HT - MAI, PT - GPIH

Formicomotes brasiliensis Khaustov & Frolov, 2018 (Page: 394) – TYPES: HT + PT - UNESP, PT - TSUMZ, ZISP

Herpetacarus junkeri Stekolnikov, 2018 (Page: 271) – TYPES: HT + PT - IRSNB

Hirstiosoma amfilohijei Haitlinger & Šundić, 2017 (Page: 940) – TYPES: HT + PT - MNHWU

Hoplocheylus evansi Arjomandi & Hajiqanbar, 2018 (Page: 21) – TYPES: HT + PT - AETMU

Iberochyzeria fornielesi Mayoral, Welbourn & Barranco, 2018 (Page: 1130) – TYPES: HT + PT - MNCN, PT - CECOUAL, USNM

Larvacarus iranicus Mahdavi, Latifi, Asadi & Seeman, 2018 (Page: 217) – TYPES: HT + PT - SBUK, PT - QM

Ledermuelleriopsis aminiae Nazari & Khanjani, 2017 (Page: 194) – TYPES: HT + PT - BASU

Leptus candangus Šundić, Haitlinger & Pompermaier, 2017 (Page: 90) – TYPES: HT - DZUB, PT - MNHP, MNHWU

Leptus darvishi Saboori, Hakimitabar & Khademi, 2018 (Page: 90) – TYPES: HT + PT - JAZM, PT - NHME

Lobotarsonemus betulae Khaustov & Abramov, 2017 (Page: 1081) – TYPES: HT + PT - TSUMZ, PT - ZISP

Makwacarus petrodromi Stekolnikov, 2018 (Page: 275) – TYPES: HT + PT - IRSNB

Microdispodides moseri Khaustov, 2018 (Page: 442) – TYPES: HT + PT - TSUMZ

Microtrombicula livingstonei Stekolnikov, 2018 (Page: 281) – TYPES: HT + PT - IRSNB

Nasutidania orientalis Khaustov & Frolov, 2018 (Page: 285) – TYPES: HT + PT - ZISP, PT - TSUMZ

Neobakerdania pilosa Khaustov & Minor, 2018 (Page: 283) – TYPES: HT + PT - NZAC, PT - TSUMZ

Neobonzia ermilovi Corpuz-Raros, Naredo & Garcia, 2017 (Page: 916) – TYPES: HT + PT - UPLB, PT - OSAL

Neobonzia neomalookensis Chen, Guo, Yi & Jin, 2018 (Page: 105) – TYPES: HT + PT - GUGC

Neophyllobius abiegnus Khaustov & Abramov, 2017 (Page: 1386) – TYPES: HT + PT - TSUMZ

Neorhynacus buettnerus Tan, Yang, Lai & Wang, 2015 (Page: 773) – TYPES: HT + PT - GXU

Neoscirula klompeni Corpuz-Raros, Naredo & Garcia, 2017 (Page: 923) – TYPES: HT + PT - UPLB, PT - OSAL

Neoscirula lagunaensis Corpuz-Raros, Naredo & Garcia, 2017 (Page: 929) – TYPES: HT + PT - UPLB, PT - OSAL

Neoscirula lambatina Corpuz-Raros, Naredo & Garcia, 2017 (Page: 933) – TYPES: HT + PT - UPLB

Nothrotrombidium birjandensis Noei, 2017 (Page: 162) – TYPES: HT + PT - JAZM

Obuloides crinitus Maake & Ueckermann, 2018 (Page: 996) – TYPES: HT + PT - NCA-PPRI

Odontoscirus tixieri Barbar & Ueckermann, 2017 (Page: 1095) – TYPES: HT + PT - ABUH

Oligonychus hamedaniensis Khanjani, Khanjani & Seeman, 2018 (Page: 235) – TYPES: HT+ PT - CALBS, PT - QM

Oligonychus shojaeii Khanjani, Khanjani & Seeman, 2018 (Page: 225) – TYPES: HT+ PT - CALBS, PT - QM

Paracarophenax triplaxophilus Khaustov & Abramov, 2018 (Page: 333) – TYPES: HT + PT - TSUMZ, PT - ZISP

Pavania africana Khaustov & Frolov, 2018 (Page: 134)

– TYPES: HT + PT - ZISP

Pavania neotropica Khaustov & Frolov, 2017 (Page: 508) – TYPES: HT + PT - UNESP, PT - TSUMZ, ZISP

Petalomium braziliensis Silva, Khaustov & Oliveira, 2018 (Page: 1255) – TYPES: HT + PT - UESC, PT - DZSJRP, ESALQ/USP

Petalomium megasolenidiatum Silva, Khaustov & Oliveira, 2018 (Page: 297) – TYPES: HT + PT - UESC, PT - ESALQ/USP, UNESP, TSUMZ

Petalomium verenae Silva, Khaustov & Oliveira, 2017 (Page: 1804) – TYPES: HT + PT - UESC, PT - TSUMZ, ESALQ/USP

Podotarsonemus australiensis Seeman, Lindquist & Husband, 2018 (Page: 10) – TYPES: HT + PT - QM, PT - CNC, UMMZ

Podotarsonemus boliviensis Seeman, Lindquist & Husband, 2018 (Page: 18) – TYPES: HT + PT - UMMZ, PT - CNC, QM

Podotarsonemus ecuadorensis Seeman, Lindquist & Husband, 2018 (Page: 26) – TYPES: HT + PT - UMMZ, PT - CNC, QM

Podotarsonemus indicus Seeman, Lindquist & Husband, 2018 (Page: 30) – TYPES: HT + PT - UMMZ, PT - CNC, QM

Podotarsonemus nipponicus Seeman, Lindquist & Husband, 2018 (Page: 35) – TYPES: HT + PT - NMNS, PT - CNC, QM, UMMZ

Podotarsonemus queenslandensis Seeman, Lindquist & Husband, 2018 (Page: 40) – TYPES: HT + PT - QM, PT - CNC, UMMZ

Podotarsonemus zuluensis Seeman, Lindquist & Husband, 2018 (Page: 42) – TYPES: HT + PT - UMMZ, PT - CNC, QM

Protobakerdania diseta Khaustov & Minor, 2018 (Page: 278) – TYPES: HT + PT - NZAC, PT - TSUMZ

Protohylomysobia erinaceophilus Sidorchuk & Bochkov, 2018 (Page: 5) – TYPES: HT + PT - GPIH

Punicodoxa termitophila Azhari & Hajiqanbar, 2018 (Page: 469) – TYPES: HT + PT - AETMU

Riccardoella (Proriccardoella) tokyoensis Waki & Shimano, 2018 (Page: 165) – TYPES: HT + PT - MPMT, PT - NSMT

Scolotydaeus uralensis Khaustov, 2017 (Page: 168) – TYPES: HT + PT - TSUMZ, PT - ZISP

Scutacarus pseudoplurisetus Khaustov, 2017 (Page: 594) – TYPES: HT + PT - TSUMZ

Scutacarus tarifae Baumann, 2018 (Page: 146) – TYPES: HT - MNCN, PT - KFUG

Scutacarus termitophilus Khaustov, Hugo-Coetzee & Ermilov, 2018 (Page: 59) – TYPES: HT + PT - TSUMZ, PT - ZISP, NMB

Scutopalus acaraje Rocha & Argolo, 2017 (Page: 110) – TYPES: HT – ESALQ/USP, PT - UESC

Sonotetranychus madinahensis Alatawi & Kamran, 2018 (Page: 433) - TYPES: HT + PT – KSMA

Spatulaphorus altaicus Khaustov & Trach, 2018 (Page: 124) – TYPES: HT + PT - TSUMZ, PT - ZISP, ONUDZ

Spatulaphorus brasiliensis Khaustov & Frolov, 2017 (Page: 513) – TYPES: HT + PT - UNESP, PT - TSUMZ, ZISP

Spatulaphorus enoplotruporum Khaustov & Frolov, 2018 (Page: 278) – TYPES: HT + PT - ZISP, PT - TSUMZ

Sphaerotarsus quercus Yazdanpanah, Saboori & Hakimitabar, 2016 (Page: 869) – TYPES: HT + PT - JAZM, PT - ACASI

Stigmaeopsis continentalis Saito & Lin, 2018 (Page: 420) – TYPES: HT + PT - NZMC

Stigmaeopsis sabelisi Saito & Sato, 2018 (Page: 416) – TYPES: HT + PT - HUM

Stigmaeus grandis Khaustov, 2017 (Page: 1414) – TYPES: HT + PT - NWUP, PT - TSUMZ

Stigmaeus pampaensis Da-Costa & Johann, 2018 (Page: 716) – TYPES: HT - ESALQ/USP, PT - MCN

Tanytydaeus cubanus Khaustov, 2017 (Page: 195) – TYPES: HT + PT - TSUMZ, PT - ZISP

Tanytydaeus kethleyi Khaustov, 2017 (Page: 202) – TYPES: HT + PT - FMNH

Tarsenomus lenticulatus Gheblealivand, Haddad & Magowski, 2018 (Page: 15) – TYPES: HT + PT - TUAC, PT - DATE

Tenuipalpoides iraniensis Mahdavi & Asadi, 2017 (Page: 151) – TYPES: HT + PT - SBUK, PT - ACASI

Tenuipalpus gneti Xu, Fan, Huang & Zhang, 2018 (Page: 540) – TYPES: HT + PT - NZMC, PT - FAFU

Tenuipalpus iranicus Khadem, Asadi & Seeman, 2018 (Page: 512) – TYPES: HT + PT - SBUK, PT - ACASI, QM

Tenuipalpus kermanicus Khadem, Asadi & Seeman, 2018 (Page: 519) – TYPES: HT + PT - SBUK, PT - ACASI

Tenuipalpus maai Xu, Fan, Huang & Zhang, 2018 (Page: 561) – TYPES: HT + PT - NZMC, PT - FAFU

Terminalichus simplex Castro, Ochoa & Feres, 2017 (Page: 1432) – TYPES: HT + PT - USNM, PT - DZSJRP

Tetranychus salicornicus Alatawi & Kamran, 2018 (Page: 433) - TYPES: HT + PT – KSMA

Thaumatopelvis lorasiacus Navabi & Hajiqanbar, 2018 (Page: 361) – TYPES: HT + PT - AETMU

Troxodania minuta Khaustov & Minor, 2018 (Page: 286) – TYPES: HT + PT - NZAC, PT - TSUMZ

Tuckerella parsi Khadem & Asadi, 2018 (Page: 16) – TYPES: HT + PT - SBUK

Tuckerella weiterschani Sidorchuk & Khaustov, 2018 (Page: 101) – TYPES: HT - GPIH

Vimola samarangensis Xu & Xue, 2017 (Page: 1405) – TYPES: HT + PT - NJAU, PT - NZMC

Vimola scutellata Tan, Yang, Lai & Wang, 2015 (Page: 775) – TYPES: HT + PT - GXU

Xenotarsonemus quiriri Lofego, Cavalcante & Demite, 2018 (Page: 271) – TYPES: HT + PT - ESALQ/USP

Xenotarsonemus scorpius Lofego, Cavalcante & Demite, 2018 (Page: 274) – TYPES: HT + PT - ESALQ/USP

Zetziella kamili Akyol & Gül, 2018 (Page: 464) – TYPES: HT + PT - CBZM

New genera

Collemboerythraeus Noei, Saboori & Hakimitabar, 2017 (Page: 1258) – Typ. sp.: *Collemboerythraeus vosoughae* Noei, Saboori & Hakimitabar, 2017

Dividilobus Xu & Xue, 2017 (Page: 1400) – Typ. sp.: *Dividilobus parvifolius* Xu & Xue, 2017

Iberochyzeria Mayoral, Welbourn & Barranco, 2018 (Page: 1130) – Typ. sp.: *Iberochyzeria fornielesi* Mayoral, Welbourn & Barranco, 2018

Lobotarsonemus Khaustov & Abramov, 2017 (Page: 1080) – Typ. sp.: *Lobotarsonemus betulae* Khaustov & Abramov, 2017

Makwacarus Stekolnikov, 2018 (Page: 274) – Typ. sp.: *Makwacarus petrodromi* Stekolnikov, 2018

Nasutidania Khaustov & Frolov, 2018 (Page: 283) – Typ. sp.: *Nasutidania orientalis* Khaustov & Frolov, 2018

Neobakerdania Khaustov & Minor, 2018 (Page: 282) – Typ. sp.: *Neobakerdania pilosa* Khaustov & Minor, 2018

Podotarsonemus Seeman, Lindquist & Husband, 2018 (Page: 7) – Typ. sp.: *Podotarsonemus boliviensisminis* Seeman, Lindquist & Husband, 2018

Promicrodispus Khaustov, 2017 (Page: 487) – Typ. sp.: *Brennandania pumilis* Sevastianov, 1975

Protobakerdania Khaustov & Minor, 2018 (Page: 277) – Typ. sp.: *Pygmephorus togatus* Willmann, 1942

Protohylomysobia Sidorchuk & Bochkov, 2018 (Page: 4) – Typ. sp.: *Protohylomysobia erinaceophilus* Sidorchuk & Bochkov, 2018

Pseudomicrodispus Khaustov, 2017 (Page: 481) – Typ. sp.: *Diversipes (Microdispus) setosus* Evans, 1952

Rhombomicrodispus Khaustov, 2017 (Page: 486) – Typ. sp.: *Microdispus equisetosus* Mahunka, 1970

New combinations

Austracarus wittebolsi (Vercammen-Grandjean, 1959) – [Stekolnikov, 2018: 43]

Blanciella deschiensi (Vercammen-Grandjean, 1956) – [Stekolnikov, 2018: 125]

Coleopygmephorus bogenschutzi (Mahunka & Moser, 1982) – [Khaustov, 2017: 598]

Endotrombicula vanmoli (Vercammen-Grandjean & Benoit, 1971) – [Stekolnikov, 2018: 56]

Ericotrombidium accraense (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 130]

Ericotrombidium chabaudi (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 131]

Ericotrombidium gerardi (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 132]

Ericotrombidium gilliardi (Vercammen-Grandjean & Langston, 1959) – [Stekolnikov, 2018: 131]

Ericotrombidium marcandrei (Taufflieb, 1960) – [Stekolnikov, 2018: 132]

Ericotrombidium oguni (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 132]

Ericotrombidium rheinwaldi (Kolebinova, 1979) – [Stekolnikov, 2018: 133]

Ericotrombidium rodhaini (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 133]

Ericotrombidium scotophilum (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 133]

Ericotrombidium spatzi (Kolebinova, 1980) – [Stekolnikov, 2018: 134]

Ericotrombidium tarentolae (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 134]

Ericotrombidium turdi (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 134]

Ericotrombidium ugandaense (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 135]

Hypotrombidium buttneri (Vercammen-Grandjean & Taufflieb, 1959) – [Stekolnikov, 2018: 138]

Hypotrombidium clamatori (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 139]

Hypotrombidium felinum (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 139]

Hypotrombidium geli (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 139]

Hypotrombidium legaci (André, 1950) – [Stekolnikov, 2018: 139]

Hypotrombidium meleagride (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 140]

Hypotrombidium mouraae (Taufflieb & Mouchet, 1962) – [Stekolnikov, 2018: 141]

Hypotrombidium psammodromi (Taufflieb, 1959) – [Stekolnikov, 2018: 141]

Hypotrombidium ruziziense (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 141]

Hypotrombidium subquadratum (Lawrence, 1951) – [Stekolnikov, 2018: 142]

Hyracarus claviglis (Vercammen-Grandjean, 1955) – [Stekolnikov, 2018: 44]

Hyracarus lawrencei (Radford, 1948) – [Stekolnikov, 2018: 44]

Hyracarus lemniscomyia (Vercammen-Grandjean, 1957) – [Stekolnikov, 2018: 45]

Marcandreae boaedonia (Jadin & Vercammen-Grandjean, 1952) – [Stekolnikov, 2018: 144]

Marcandreae fromonti (Jadin & Vercammen-Grandjean, 1960) – [Stekolnikov, 2018: 145]

Microtrombicula abyssinica (Radford, 1947) – [Stekolnikov, 2018: 145]

Microtrombicula agamae (Lawrence, 1949) – [Stekolnikov, 2018: 146]

Microtrombicula bruynoghei (Jadin & Vercammen-Grandjean, 1952) – [Stekolnikov, 2018: 147]

Microtrombicula celiae (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 148]

Microtrombicula centropi (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 148]

Microtrombicula draconensis (Lawrence, 1949) – [Stekolnikov, 2018: 149]

Microtrombicula dschangi (Taufflieb & Mouchet, 1959) – [Stekolnikov, 2018: 150]

Microtrombicula evilla (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 151]

Microtrombicula felis (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 151]

Microtrombicula gerrhosauri (Lawrence, 1949) – [Stekolnikov, 2018: 151]

Microtrombicula hyracis (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 153]

Microtrombicula lumsdeni (Radford, 1953) – [Stekolnikov, 2018: 156]

Microtrombicula mastomyia (Radford, 1942) – [Stekolnikov, 2018: 158]

Microtrombicula microps (Lawrence, 1951) – [Stekolnikov, 2018: 159]

Microtrombicula mini (Vercammen-Grandjean & Brennan, 1957) – [Stekolnikov, 2018: 159]

Microtrombicula montensis (Lawrence, 1949) – [Stekolnikov, 2018: 161]

Microtrombicula myonacis (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 161]

Microtrombicula nivaria (Lawrence, 1949) – [Stekolnikov, 2018: 162]

Microtrombicula pachydactyli (Lawrence, 1949) – [Stekolnikov, 2018: 163]

Microtrombicula pembaensis (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 165]

Microtrombicula polymorpha (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 166]

Microtrombicula quasigiroudi (Jadin & Vercammen-Grandjean, 1954) – [Stekolnikov, 2018: 166]

Microtrombicula quasisicei (Taufflieb, 1958) – [Stekolnikov, 2018: 167]

Microtrombicula rhodesiensis (Lawrence, 1949) – [Stekolnikov, 2018: 167]

Microtrombicula rosamonda (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 169]

Microtrombicula sicei (André, 1951) – [Stekolnikov, 2018: 170]

Microtrombicula smithi (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 171]

Microtrombicula sporopipia (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 171]

Microtrombicula streptopelia (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 172]

Microtrombicula tardaea (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 173]

Microtrombicula tragardhi (Oudemans, 1910) – [Stekolnikov, 2018: 173]

Microtrombicula tropidosauri (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 174]

Microtrombicula ugandae (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 174]

Microtrombicula yangi (Vercammen-Grandjean, 1965) – [Stekolnikov, 2018: 176]

Neotrombiculoides abonnenci (Taufflieb, 1960) – [Stekolnikov, 2018: 183]

Neotrombiculoides claviglicola (Lawrence, 1949) – [Stekolnikov, 2018: 183]

Neotrombiculoides elegantissima (Kolebinova, 1981) – [Stekolnikov, 2018: 184]

Oudemansidium howelli (Goff, 1983) – [Stekolnikov, 2018: 184]

Parawenhoekia aginapaica (Haitlinger, 1999) – [Mayoral, Welbourn & Barranco, 2018: 1129]

Pentidionis maura (Taufflieb, 1960) – [Stekolnikov, 2018: 185]

Pentidionis meridialis (Taufflieb, 1960) – [Stekolnikov, 2018: 185]

Promicrodispus fageus (Rack, 1965) – [Khaustov, 2017: 489]

Promicrodispus pumilis (Sevastianov, 1975) – [Khaustov, 2017: 490]

Protobakerdania aperta (Rack & Kaliszewski, 1985) – [Khaustov & Minor, 2018: 278]

Protobakerdania arvorum (Jacot, 1936) – [Khaustov & Minor, 2018: 278]

Protobakerdania arvorum nodulosa (Mahunka, 1969) – [Khaustov & Minor, 2018: 278]

Protobakerdania baloghi (Mahunka, 1969) – [Khaustov & Minor, 2018: 278]

Protobakerdania crenata (Mahunka, 1969) – [Khaustov & Minor, 2018: 278]

Protobakerdania pristinus (Mahunka, 1968) – [Khaustov & Minor, 2018: 278]

Protobakerdania randae (Sevastianov & Zahida Al Douri, 1989) – [Khaustov & Minor, 2018: 278]

Protobakerdania togatus (Willmann, 1942) – [Khaustov & Minor, 2018: 278]

Pseudomicrodispus hastatus (Mahunka, 1981) – [Khaustov, 2017: 483]

Pseudomicrodispus montanus (Khaustov & Minor, 2016) – [Khaustov, 2017: 483]

Pseudomicrodispus setosus (Evans, 1952) – [Khaustov, 2017: 483]

Rhombomicrodispus equisetosus (Mahunka, 1970) – [Khaustov, 2017: 487]

Schoengastiella adami (Taufflieb, 1964) – [Stekolnikov, 2018: 27]

Schoengastiella berriti (Taufflieb, 1964) – [Stekolnikov, 2018: 27]

Schoengastiella chippauxi (Taufflieb, 1964) – [Stekolnikov, 2018: 28]

Schoengastiella combesi (Taufflieb, 1964) – [Stekolnikov, 2018: 29]

Schoengastiella meyai (Taufflieb, 1964) – [Stekolnikov, 2018: 30]

Schoengastiella pauliani (Taufflieb, 1964) – [Stekolnikov, 2018: 31]

Schoengastiella petteri (Taufflieb, 1964) – [Stekolnikov, 2018: 32]

Schoengastiella rickenbachi (Taufflieb, 1964) – [Stekolnikov, 2018: 32]

Schoengastiella vattierae (Taufflieb, 1964) – [Stekolnikov, 2018: 33]

Scolotydaeus alexanderi (Baker, 1949) – [Khaustov, 2017: 154]

Scolotydaeus lootsi (Theron, Meyer & Ryke, 1969) – [Khaustov, 2017: 163]

Scolotydaeus tauricus (Kuznetsov, 1973) – [Khaustov, 2017: 157]

Straelensia monosetosa (Brown, 2006) – [Stekolnikov, 2018: 19]

Susa hexasternalaea (Vercammen-Grandjean, 1960) – [Stekolnikov, 2018: 115]

Tanytydaeus simplex (Delfinado & Baker, 1974) – [Khaustov, 2017: 186]

Tauffliebiella mailloti (Taufflieb & Abonnenc, 1957) – [Stekolnikov, 2018: 115]

Trombicula crassipalpis (André, 1958) – [Stekolnikov, 2018: 192]

Walchia acutalis (Jadin, Vercammen-Grandjean, Herman, Thienpoint & Fain, 1954) – [Stekolnikov, 2018: 34]

Walchia felis (Vercammen-Grandjean & Fain, 1957) – [Stekolnikov, 2018: 34]

Walchia manis (Vercammen-Grandjean & Fain, 1957) – [Stekolnikov, 2018: 35]

Whartonacarus sulae (Oudemans, 1910) – [Stekolnikov, 2018: 188]

Willmannium natalense (Lawrence, 1949) – [Stekolnikov, 2018: 189]

Willmannium suswaensis (Vercammen-Grandjean & Langston, 1976) – [Stekolnikov, 2018: 189]

New synonyms

Agistemus layyahensis Khan, Afzal, Bashir, Farooq & Ghaffar, 2016 – [Rehman, Kamran & Alatawi, 2018: 1066]
= Agistemus garrulus Chaudhri, Akbar & Rasool, 1974

Agistemus rafaqi Khan, Afzal & Kamran, 2005 – [Rehman, Kamran & Alatawi, 2018: 1066]
= Agistemus garrulus Chaudhri, Akbar & Rasool, 1974

Agistemus rawalpindiensis Khan, Bashir, Farooq & Khan, 2010 – [Rehman, Kamran & Alatawi, 2018: 1066]
= Agistemus garrulus Chaudhri, Akbar & Rasool, 1974

Anasuscuta (Brown, 2009) – [Stekolnikov, 2018: 18]
= Straelensia Vercammen-Grandjean & Kolebinova, 1968

Gahrliepia (Giroudia) traubi Audy, Lawrence & Vercammen-Grandjean, 1961 – [Stekonikov, 2018: 21]
= Gahrliepia brennani (Jadin & Vercammen-Grandjean, 1952)

Herpetacarus (Lukoschuskaaia) Kolebinova & Vercammen-Grandjean, 1980 – [Stekolnikov, 2018: 65]
= Herpetacarus (Herpetacarus) Vercammen-Grandjean, 1960

Napassenia Haitlinger, 1999 – [Mayoral, Welbourn & Barranco, 2018: 1129]
= Parawenhoekia Paoli, 1937

Paratydeus Baker, 1949 – [Khaustov, 2017: 154]
= Scolotydaeus Berlese, 1910

Sacotydeus Baker, 1949 – [Khaustov, 2017: 154]
= Scolotydaeus Berlese, 1910

Schoutedenichia tanzaniaensis Goff, 1983 – [Stekolnikov, 2018: 278]
= Schoutedenichia musaranei Taufflieb, 1966

Walytydeus Kuznetsov, 1973 – [Khaustov, 2017: 154]
= Scolotydaeus Berlese, 1910

New names

Microtrombicula squirreli Stekolnikov, 2018 pro Eltonella (Eltonella) myonacis heliosciuri Vercammen-Grandjean, 1965 – [Stekolnikov, 2018: 171]

New tribus

Podotarsonemini Seeman, Lindquist & Husband, 2018 (Page: 6) – Typ. gen.: *Podotarsonemus* Seeman, Lindquist & Husband, 2018

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