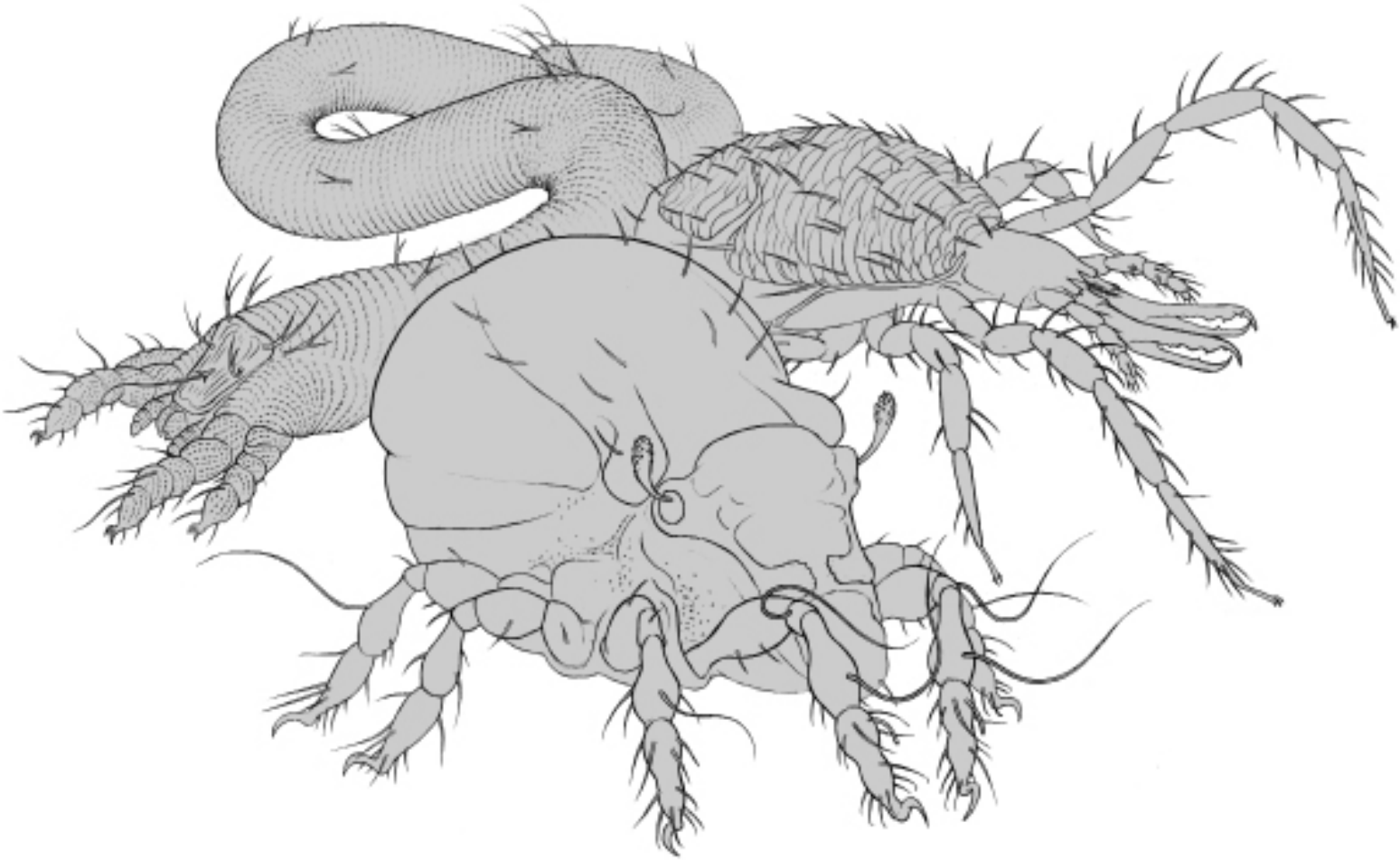
SENCKENBERG

ACARI

Bibliographia Acarologica



23 · 2023

Mesostigmata, Oribatida, Actinedida

Senckenberg · Museum für Naturkunde Görlitz

ACARI
Bibliographia Acarologica

Publisher
Senckenberg Gesellschaft für Naturforschung, Senckenberganlage 25, 60325 Frankfurt am Main, Germany
Institute: Senckenberg Museum für Naturkunde Görlitz, Germany

Editor-in-Chief
Axel Christian
Senckenberg Museum für Naturkunde Görlitz, Germany
PF 300 154, 02806 Görlitz, Germany
Email: axel.christian@senckenberg.de

Technical Editor
Kerstin Franke, Senckenberg Museum für Naturkunde Görlitz, Germany

Indexed in
CAB Abstracts, Worldcat, Zoological Record

Cover picture
Ekkehart Mättig, Senckenberg Museum für Naturkunde Görlitz, Germany

Production
Senckenberg Museum für Naturkunde Görlitz, Germany

Print
Gustav Winter Druckerei und Verlagsgesellschaft mbH, Herrnhut, Germany. Printed in environmentally friendly paper.

Distributor
Senckenberg Museum für Naturkunde Görlitz — Library
PF 300 154, 02806 Görlitz, Germany
Email: library-gr@senckenberg.de

Website
www.senckenberg.de/acari

Editum
30.11.2023

ISSN
1618-8977

Leibniz Gemeinschaft

ACARI Bibliographia Acarologica **23** · 2023 pp. 1–75

Preface

Dear readers, dear colleagues,

This issue marks the end of an era. The publication of ACARI - Bibliographia Acarologica will be discontinued this year with volume 23.

After 33 years, "Mesostigmata No. 33" is the last bibliography on this mite group. The bibliography on the Oribatida has been around even longer. It was first published in 1967 in Görlitz and has had 53 editions to date. The bibliography on the Actinedida has only 21 issues in the ACARI - Bibliographia Acarologica, but is a continuation and extension of the "Bibliographia Tarsonemidologica", which was published from 1975 to 2002 by Dr. Mahunka and Dr. Rack. In these three mite groups a total of 31,630 literature citations were listed in Görlitz and the data on the repositories on the type material of 11,167 newly described taxa were compiled (3,251 Mesostigmata, 4,057 Oribatida, 3,859 Actinedida). All bibliographies remain available online as pdf files at www.senckenberg.de/acari. The complete literature database on mites of the Section Arachnida of Senckenberg Museum für Naturkunde Görlitz with its more 42,490 records will be transferred to a web database in the coming year to enable online searches in this extensive data pool. The link for this will be available at www.senckenberg.de/acari from around mid-2024.

The inclusion of new literature in the database will end in 2023. There will also no longer be an option to request literature lists on authors or taxa. Subscriptions to ACARI - Bibliographia Acarologica will be terminated and the exchange of publications will be discontinued.

We would like to thank all subscribers, exchange partners and colleagues for the decades of cooperation.

Best regards

Axel Christian and Kerstin Franke

ISSN 1618-8977

Oribatida No. 54

Axel Christian & Kerstin Franke

Senckenberg Museum für Naturkunde Görlitz, Senckenberg - Mitglied der Leibnitz-Gemeinschaft,
PF 300 154, 02806 Görlitz, Germany
E-Mail: axel.christian@senckenberg.de; kerstin.franke@senckenberg.de

Editoral end 31 July 2023
Published 31 November 2023

Under the title "Oribatida", the publications on oribatid mites are listed every year as far as they have come to our knowledge. Please help us to keep the literature database as complete as possible by sending us pdf's, reprints or copies of all your papers on oribatid mites, or, if this is not possible, complete references so that we can include them in the list. Proposals for improvement and criticism are very welcome. Please inform us, if we have failed to list all your publications in the Bibliographia.

The database about oribatid mites presently contains 13,515 papers and 9,873 taxa. Every scientist who sends keywords for investigations can receive a list of literature or taxa. The Bibliographia Oribatologica of number 1 to 32 and the issues 1 to 23 of ACARI can be downloaded free of charge. **http://www.senckenberg.de/Acari**

We are presently endeavouring to extend the reference collections on mites and interested in obtaining determined mite material. It goes without saying that the deposition of type material in the acarological collections of the Senckenberg Museum of Natural History Görlitz will also remain possible in the future. The availability of our collections is guaranteed, as presently 3 scientists and technical personnel are working with the mite collections. Types and original descriptions are presented on the Internet.

Acarological literature

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

Publications 2023

Arbolaez, H.P.H. / Hu, J.W. / Orozco, Y.N. / Gebremikael, M.T. / Alcantara, E.A. / Sleutel, S. / Hofte, M. / De Neve, S. (2023):* Mesofauna as effective indicators of soil quality differences in the agricultural systems of central Cuba. - Appl. Soil Ecol. 182: 104688; DOI: 10.1016/j.apsoil.2022.104688

Ashwood, F. / Barreto, C. / Butt, K.R. / Lampert, M. / Doick, K. / Vanguelova, E.I.I. (2023):* Earthworms and soil mesofauna as early bioindicators for landfill restoration. - Soil Research SR21286: 18 pp.; DOI: 10.1071/SR21286

Barreto, C. / Silva Conceição, P.H. / Araujo de Lima, E.C. / Stievano, L.C. / Zeppelini, D. / Kolka, R.K. / Hanson, P.J. / Lindo, Z. (2023):* Large-scale experimental warming reduces soil faunal biodiversity through peatland drying. - Front. Environ. Sci. 11: 1153683; 10 pp.; DOI: 10.3389/fenvs.2023.1153683

Bayartogtokh, B. / Ermilov, S.G. (2023): Ontogenetic instars of *Zygoribatula excavata*, with remarks on juveniles of Oripodoidea (Acari: Oribatida). - Syst. Appl. Acarol. 28,8: 1320-1334

Behan-Pelletier, V. / Lindo, Z. (2023): Oribatid mites. - CRC Press, Boca Raton - London - New York: 1-494

Betancur-Corredor, B. / Lang B. / Russell D.J. (2023):* Organic nitrogen fertilization benefits selected soil fauna in global agroecosystems. (with supplementary data) - Biol. Fertil. Soils 59: 1-16; DOI: 10.1007/s00374-022-01677-2

Bosch-Serra, A.D. / Molina, M.G. / González-Llinàs, E. / Boixadera-Bosch, R.R. / Martínez, B. / Orobitg, J. / Mateo-Marín, N. / Domingo-Olivé, F. (2023): Oribatid mites in different Mediterranean crop rotations fertilized with animal droppings. - Exp. Appl. Acarol. 90,3-4: 185-202

Bruckner, A. / Querner, P. / Scholz, C. (2023):* No indication of methodological biases in tullgren and macfadyen extraction of edaphic microarthropods. - Eur. J. Soil Biol. 115: 103464, 9 pp.; DOI: 10.1016/j.ejsobi.2022.103464

Chen, Y.N. / Liu, C.L. / Liang, C. / Chen, Y. / Chen, J. (2023):* Community composition and seasonal variation of soil mites in an apple orchard in Beijing, China. - Appl. Ecol. Environ. Res. 21,2: 1429-1441

Coulson, S.J. / Convey, P. / Schuuring, S. / Lang, S.I. (2023): Interactions between winter temperatures and duration of exposure may structure Arctic microarthropod communities.. - J. Therm. Biol. 114: 103499; 8 pp.; DOI: 10.1016/j.jtherbio.2023.103499

De Alfaia, J.P. / Duarte, L.S. / Neto, E.P.S. / Ferla, N.J. / Da Silva Noronha, A.C. / Gondim, M.G.C. / Batista, T.F.V. (2023): Acarofauna associated with coconut fruits (*Cocos nucifera* L.) in a crop area from Pará state, Amazon, Brazil. - Syst. Appl. Acarol. 28,4: 667-679

Ermilov, S.G. (2023): *Zygoribatula mikhanatorum* n. sp. (Acari, Oribatida, Oribatulidae) from the vicinity of salt lake Tobechikskoye, Crimea, with key to the connexa-group. - Intern. J. Acarol. 49,1: 73-79

Ermilov, S.G. (2023): *Carabodes (Klapperiches) lindquisti* sp. n. (Acari, Oribatida, Carabodidae) from Guatemala, with a key to the *C. (K.)* subgenus from the neotropical region. - Acarina 31,1: 3-8

Ermilov, S.G. (2023): A new species of *Carabodes* (Acari, Oribatida, Carabodidae) from Guatemala, with a key to known species from the Neotropical region. - Ecol. Mont. 61: 1-7

Ermilov, S.G. (2023): Taxonomic contribution to the knowledge of the oribatid mite genus *Schalleria* (Acari, Oribatida, Microzetidae), with description of a new species from Cuba. - Syst. Appl. Acarol. 28,4: 695-703

Ermilov, S.G. (2023): New species of *Tuberemaeus* (Acari, Oribatida, Scheloribatidae) from trees in Southern Vietnam. - Syst. Appl. Acarol. 28,8: 1344-1355

Ermilov, S.G. (2023): Contribution to the taxonomy of the oribatid mite genus *Graptoppia* Balogh 1983 (Acari, Oribatida, Oppiidae). - Zool. Zh. 102,7: 744-750

Ermilov, S.G. (2023): *Makaroviella exigua* (Acari, Oribatida, Licnobelbidae), a new genus and species from Cuba. - Zool. Zh. 102,8: 852-859

Ermilov, S.G. (2023): Some Galumnidae (Acari, Oribatida) from Mexico. - Persian J. Acarol. 12,3: 377-384

Ermilov, S.G. (2023): Taxonomic contribution to the knowledge of the oribatid mite genus *Orbiculobates* (Acari, Oribatida, Plasmobatidae). - Persian J. Acarol. 12,3: 393-402

Ermilov, S.G. / Abramov, V.V. (2023): *Eremella ryabinini* (Acari, Oribatida, Eremellidae), a new oribatid mite species phoretic on *Amphotis marginata* (Coleoptera, Nitidulidae) from Russia. - Persian J. Acarol. 12,2: 189-197

Ermilov, S.G. / Friedrich, S. (2023): A new species of *Anderemaeus* (Acari, Oribatida, Anderemaeidae) from Peru. - Acarina 31,1: 9-13

Ermilov, S.G. / Hugo-Coetzee, E.A. / Rybalov, L.B. (2023): Contribution to the knowledge of the oribatid mite genus *Aleurodamaeus* (Acari, Oribatida, Aleurodamaeidae), with description of a new species from Ethiopia. - Zool. Zh. 102,2: 153-162

Ermilov, S.G. / Khaustov, A.A. / Kontschán, J. (2023): New faunistic and taxonomic data on oribatid mites (Acari, Oribatida) of Thailand. - Acta Zool. Acad. Scient. Hung. 69,2: 93-116

Ermilov, S.G. / Kolesnikov, V.B. / Kontschán, J. / Klimov, P.B. (2023): Taxonomic contribution to the knowledge of Galumnidae (Acari, Oribatida, Galumnidae) from Cuba. - Zootaxa 5258 (4): 465-474

Ermilov, S.G. / Kontschán, J. (2023): New species and records of Oripodoidea (Acari, Oribatida) from Mexico. - Syst. Appl. Acarol. 28,6: 1109-1120

Ermilov, S.G. / Kontschán, J. (2023): Revision of the oribatid mite genus *Amboroppia* (Acari, Oribatida, Oppiidae), with description of a new subgenus and species from Mexico. - Acta Zool. Acad. Scient. Hung. 69,4: 313-321

Ermilov, S.G. / Kontschán, J. / Kolesnikov, V.B. / Klimov, P.B. / Sharapov, D.V. (2023): Faunistic and taxonomic additions to the oribatid mites (Acari, Oribatida) of Cuba. - Acarologia 63,3: 770-782

Ermilov, S.G. / Makarova, O.L. (2023): Taxonomic contribution to the knowledge of the oribatid mite family Epimerellidae (Acari, Oribatida, Oppioidea). - Acarologia 63,1: 241-252

Ermilov, S.G. / Makarova, O.L. (2023): Contribution to the knowledge of the oribatid mite genus *Discoppia* (Acari, Oribatida, Oppiidae). - Acarologia 63,3: 757-769

Ermilov, S.G. / Norton, R.A. (2023): Two new species of *Eulohmannia* Berlese, 1910 (Acari, Oribatida, Eulohmanniidae) from the Russian Far East and Kashmir. - Zool. Zh. 102,1: 27-45

Ermilov, S.G. / Rybalov, L.B. (2023): Taxonomic contribution to the knowledge of the oribatid mite subgenus *Scheloribates* (Perscheloribates) (Acari, Oribatida, Scheloribatidae). - Acta Zool. Acad. Scient. Hung. 69,1: 1-10

Ermilov, S.G. / Rybalov, L.B. (2023): Ontogenetic instars of the oribatid mite *Scheloribates arsizonensis* n. sp. (Acari, Oribatida, Scheloribatidae) from Ethiopia. - Acarologia 63,1: 122-135

Ermilov, S.G. / Rybalov, L.B. (2023): A new species of the genus *Zetorchella* Berlese, 1916 (Acari, Oribatida, Caloppiidae) from Ethiopia, with a key to species of the genus from afrotropical region. - Far East. Entomol. 469: 1-10

Ermilov, S.G. / Rybalov, L.B. (2023): Taxonomic contribution to the knowledge of the oribatid mite genus *Muliercula* (Acari, Oribatida, Scheloribatidae). - Syst. Appl. Acarol. 28,1: 158-166

Ermilov, S.G. / Salavatulin, V.M. (2023): Ontogenetic instars of *Phyllhermannia bimaculata* Hammer, 1979 (Acari, Oribatida, Hermanniidae). - Acta Zool. Acad. Scient. Hung. 69,1: 11-24

Ermilov, S.G. / Salavatulin, V.M. (2023): A new species of *Pseudotocepheus* Balogh 1960 (Acari, Oribatida, Otocepheidae) from *Dipterocarpus alatus* in Vietnam, with a key to the known species of the genus from the Oriental Region. - Zool. Zh. 102,3: 243-250

Ermilov, S.G. / Salavatulin, V.M. (2023): Taxonomic contribution to the knowledge of the oribatid mite family Scheloribatidae (Acari, Oribatida), with description of three new species from Vietnam. - Zootaxa 5336 (2): 233-246

Ermilov, S.G. / Salavatulin, V.M. (2023): Two new species of arboreal *Scapheremaeus* (Acari, Oribatida, Cymbaeremaeidae) from Vietnam. - Syst. Appl. Acarol. 28,8: 1405-1414

Ermilov, S.G. / Salavatulin, V.M. / Kolesnikov, V.B. (2023): Contribution to knowledge of the oribatid mite genus *Symbioribates* (Acari, Oribatida, Symbioribatidae), with descriptions of two new arboreal species from Vietnam. - Zootaxa 5325 (4): 556-570

Ermilov, S.G. / Sandmann, D. / Scheu, S. (2023): New species of oribatid mites (Acari, Oribatida) with auriculate pteromorphs from Indonesia. - Syst. Appl. Acarol. 28,6: 1043-1055

Ermilov, S.G. / Sandmann, D. / Scheu, S. (2023): New species of *Pulchroppia* (Acari, Oribatida, Oppiidae) from Indonesia. - Acarologia 63,3: 725-734

Ermilov, S.G. / Shtanchaeva, U.Y. / Subias, L.S. (2023): Two new species of *Anderemaeus* (Acari, Oribatida, Anderemaeidae) from Peru. - Zool. Zh. 102,5: 529-535

Ermilov, S.G. / Subias, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2023): Contribution to the knowledge of the oribatid mite genus *Hermannobates* (Acari, Oribatida, Hermanniellidae). - Intern. J. Acarol. 49,2: 141-146

Ermilov, S.G. / Subias, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2023): Faunistic and taxonomic contribution to the knowledge of oribatid mites (Acari, Oribatida) of Croatia, with description of a new species of *Ceratoppia* from a cave. - Syst. Appl. Acarol. 28,3: 534-543

Ermilov, S.G. / Yurtaev, A.A. (2023): Contribution to the knowledge of the oribatid mite genus *Gymnobodes* (Acari, Oribatida, Carabodidae), with description of a new species from Mexico. - Acta Zool. Acad. Scient. Hung. 69,2: 83-92

Ermilov, S.G. / Yurtaev, A.A. (2023): New species of Plateremaeoidea (Acari, Oribatida) from Mexico. - Acarologia 63,2: 390-410

Fajana, H.O. / Rozka, T. / Jegede, O. / Stewart, K. / Siciliano, S.D. (2023):* More than just a substrate for mites: Moss-dominated biological soil crust protected population of the oribatid mite, *Oppia nitens* against cadmium toxicity in soil. - Sci. Total Environ. 857,2: 159553; DOI: 10.1016/j.scitotenv.2022.159553

Feng, B.-X. / Han, D.-R. / Liao, Y.-J. / Tian, F.-H. / Liu, D. / Yang, M.-F. / Liu, J.-F. (2023): *Scheloribates praeincisus* Berlese, 1910 (Oribatida, Scheloribatidae) found on the mushroom (*Agaricomycetes*) in China. - Syst. Appl. Acarol. 28,8: 1293-1296

Foley, J.R. / Williams, J. / Pokorny, E. / Tipping, P.W. (2023):* Herbivore suppression of waterlettuce in Florida, USA. - Biol. Contr. 179: 105149; DOI:10.1016/j.biocontrol.2023.105149

Fu, L. / Zhang, F. / Chen, J. (2023): *Christovizetes* Krivolutsky (Acari: Oribatida, Microzetidae), a newly recorded genus from caves in China, with description of a new species. - Acarologia 63,1: 180-187

Gao, M.X. / Zhu, J.Q. / Liu, S. / Cheng, X. / Liu, D. / Li, Y.S. (2023): Theory, method and technique of soil animal knowledge graph construction: a case study of soil mites in Tianmu Mountain, Zheijang Province. [Orig. Chin.] - Acta Entomol. Sin. 43,16: 6862-6877

Gavín Centola, M.P. / Serrano Carnero, D. / Montserrat, M. / Meyer, S. / Scheu, S. / Gundel, D. / Fliessbach, A. / Truug, J. et al. (2023): Severe drought and conventional farming affect detritivore feeding activity and its vertical distribution. - Basic Appl. Ecol. 69: 49-59

Gomez-Pamies, D.F. / Martinez, P.A. / Larrea, D.D. / Laffont, E.R. (2023): First checklist of the oribatid mites (Arachnida: Oribatida) of the Gran Chaco region (South America) with new records. - Acarologia 63,3: 906-918

Goncharov, A.A. / Leonov, V.D. / Rozanova, O.L. / Semenina, E.E. / Tsurikov, M. / Uvarov, A.V. / Zuev, A.G. / Tiunov, A.V. (2023):* A meta-analysis suggests climate change shifts structure of regional communities of soil invertebrates. - Soil Biol. Biochem. 181: 109014; 11 pp.; DOI: 10.1016/j.soilbio.2023.109014

Hugo-Coetzee, E.A. (2023): Notes on the family Oripodidae (Acari, Oribatida) in South Africa and description of a new species of *Cryptoribatula* Jacot. - Syst. Appl. Acarol. 28,2: 394-404

Karimbakkandi, P. / Thalakkattil Raghavan, S. (2023): Study on the post-embryonic development of *Striatoppia milii* Sanyal & Basu, 2014 (Acari: Oribatida, Oppiidae) on the microfungus *Trichoderma harzianum*. - Acarologia 63,1: 220-230

Kerschbaumer, M. / Pfingstl, T. (2023): First insights into the morphological development of tarsal claws in terrestrial oribatid mites. - Acarologia 63,2: 419-427

Kerschbaumer, M. / Schäffer, S. / Pfingstl, T. (2023): Claw shape variation in oribatid mites of the genera *Carabodes* and *Caleremaeus*: exploring the interplay of habitat, ecology and phylogenetics. - PeerJ: 19 pp.; DOI: 10.7717/peerj.16021

Kolesnikov, V.B. / Murvanidze, M. / Marchenko, I.I. (2023): Two similar species of genus *Metabelba* Grandjean, 1936 (Acari, Oribatida, Damaeidae) from Crimea and Caucasus. - Syst. Appl. Acarol. 28,2: 343-355

Kolesnikov, V.B. / OConnor, B. / Ermilov, S.G. / Klimov, P.B. (2023): A review of the asexual mite genus *Paralycus* Womersley, 1944 (Acari: Oribatida: Pediculochelidae), with description of three new species and a key to species of the world. - Diversity 15,2: 160; 32 pp.; DOI: 10.3390/d15020160

Laska, A. / Puchalska, E. / Mikołajczyk, M. / Gwiazdowicz, D.J. / Kaźmierski, A. / Niedbała, W. / Błoszyk, J. / Olszanowski, Z. / Szymkowiak, J.

/ Hałas, N. / Kuczyński, L. / Skoracka, A. (2023): Mites inhabiting nests of wood warbler, *Phylloscopus sibilatrix* (Aves: Passeriformes), in the Wielkopolska National Park in western Poland. - Exp. Appl. Acarol. 89,3-4: 393-416

Lin, Y. / Wu, H. / Liu, D. / Li, Y. / Kang, Y. / Zhang, Z. / Wang, W. (2023): Patterns and drivers of soil surface-dwelling Oribatida diversity along an altitudinal gradient on the Changbai Mountain, China. - Ecol. Evol. 13: e10105; 13 pp.; DOI: 10.1002/ece3.10105

Liu, C.-L. / Chen, Y.-N. / Liang, C. / Chen, J. (2023): Three new species of oribatid mites (Acari: Oribatida) from an apple orchard in Beijing, China. - Syst. Appl. Acarol. 28,3: 521-533

Liu, C.-L. / Chen, Y.-N. / Liang, C. / Chen, J. (2023): Erratum: Liu, C.-L. / Chen, Y.-N. / Liang, C. / Chen, J.: Three new species of oribatid mites (Acari: Oribatida) from an apple orchard in Beijing, China. Syst. Appl. Acarol. 28(3): 521-533. - Syst. Appl. Acarol. 28,5: 777

Liu, D. (Dandan) / Wu, H. / Yu, H. / Liu, D. (2023):* Elevation and local habitat characteristics jointly determine soil oribatid mites (Acari: Oribatida) assemblages in the Changbai Mountains, China. - Plant Soil 487: 485-498

Liu, D.D. / Liu, D. / Yu, H.X. / Wu, H.T. (2023):* Strong variations and shifting mechanisms of altitudal diversity and abundance patterns in soil oribatid mites (Acari: Oribatida) on the Changbai Mountain, China. - Appl. Soil Ecol. 186: 104808; 10 pp.; DOI 10.1016/j.apsoil.2023.104808

Liu, D.D. / Wu, H. / Yu, H. / Sun, X. / Liu, D. / Cheng, P. / Bai, X. / Dai, G. / Zhang, Z. / Wang, W.(2023): Distribution pattern of soil Oribatida and Collembola diversity along altitudinal gradient in the Changbai Mountains. [Orig. Chin.] - Sci. Geogr. Sin.43,7: 1299-1309

Lumley, L.M. / Azeria, E.T. / Giacobbo, V.A. / Cobb, T.P. (2023): Effects of natural land cover, anthropogenic disturbance, space, and climate on oribatid mite communities in Canada's oil sands region. - Diversity 15: 469; 21 pp.; DOI: 10.3390/d15040469

Maraun, M. / Thomas, T. / Fast, E. / Treibert, N. / Caruso, T. / Schaefer, I. / Lu, J.Z. / Scheu S. (2023):* New perspectives on soil animal trophic ecology through the lens of C and N stable isotope ratios of oribatid mites. - Soil Biol. Biochem. 177: 108890, 11 pp.; DOI: 10.1016/j.soilbio.2022.108890

McKie, B.G. / Taylor, A. / Nilsson, T. / Frainer, A. / Goedkoop, W. (2023): Ecological effects of mosquito control with Bti: evidence for shifts in the trophic structure of soil and ground based food webs. - Aquatic Sci. 85: 47, 15 pp.; DOI: 10.1007/s00027-023-00944-0

Melekhina, E.N. (2023): Lichen-associated oribatid mites in the taiga zone of Northeast European Russia: taxonomical composition and geographical distribution of species. - Diversity 15,5: 599, 20 pp.; DOI: 10.3390/d15050599

Murvanidze, M. / Todria, N. / Maraun, M. / Mumladze, L. (2023): Annotated checklist of Georgian oribatid mites - II. - Zootaxa 5227 (1): 50-62

Nde, L.R.D. / Nukenine, E.N. / Koehler, H (2023): Effect of three different land use types on the temporal dynamics of microarthropod abundance in the high Guinean savanna of Ngaoundéré (Adamawa, Cameroon). - Soil Organisms 95,1: 75-94

Niedbała, W. / Adamski, Z. / Laniecki, R. / Magowski, W.L. (2023): Ptyctimous mites (Acari, Oribatida) of Peru with the description of an extraordinary new phthiracaroid mite from the Peruvian Andes. - Animals 13: 2403; 18 pp.; DOI: 10.3390/ani13152403

Niedbała, W. / Bakowski, M. / Kaczmarek, S. / Starý, J. / Witalinski, W. / Skoracki, M. (2023): A new and some interesting species of ptyctimous mites (Acari, Oribatida) from different countries of the all worldly zoogeographical regions. - Syst. Appl. Acarol. 28,2: 364-393

Niedbała, W. / Liu, D. (2023): Systematic, synonymic and biogeographical list of ptyctimous mites (Acari, Oribatida) in the world (1799–2022). - Zootaxa 5265: 1-442

Niedbała, W. / Maziarz, M. / Hebda, G. / Rutkowski, T. / Napierała, A. / Kurek, P. / Zacharyasiewicz, M. / Broughton, R.K. / Błoszyk, J. (2023): Songbird nests on the ground as islands of diversity of ptyctimous mites (Acari: Oribatida) in the primeval Białowieża Forest (Poland). - Exp. Appl. Acarol.90,3-4: 169-184

Ojeda, M. / Vega, F.J. / Rivas, G. (2023):*

Ceratozetidae (Acari: Oribatida) from lower Miocene mexican amber, including a new species of *Trichoribates* Berlese, 1910.. - J. South Amer. Earth Sci. 121: 104165; 6 pp.; DOI: 10.1016/j.jsames.2022.104165

Ordouni, F. / Ramroodi, S. / Akrami, M.A. / Rakhshani, E. (2023): Oribatid mites (Acari: Oribatida) from southeastern Iran, with supplementary description of *Verachthonius cf. laticeps* (Brachychthoniidae). - Persian J. Acarol. 12,2: 173-188

Orotbig, J. (2023): Contribution to the catalog of Oribatid mites (Acari, Oribatida) from Catalonia - First contribution. [Orig. Catal.] - Publ. Centre Recursos Biodivers. Animal, Univ. Barcelona 18: 221 pp.

Pan, X. / Xie, Z. / Sun, X. / Wu, D. / Scheu, S. / Maraun, M. (2023):* Changes in oribatid mite community structure along two altitudinal gradients in Asia and Europe as related to environmental factors. - Appl. Soil Ecol. 189: 104912; 10 pp.; DOI: 10.1016/japsoil.2023.104912

Pelaez-Sanchez, S. / Schmidt, O. / Proto, M. / Courtney, R. (2023): Invertebrate communities (Collembola and Acari) in soil cover treatments for mine tailings in a long-term field experiment. - Land Degrad. Dev.: 1-13; DOI: 10.1002/ldr.4805

Pérez-Izquierdo, L. / Bengtsson, J. / Clemmensen, K.E. / Granath, G. / Gundale, M.J. / Ibánez T.S. / Lindahl, B.D./ Strengbom, J./ Taylor, A. et al. (2023): Fire severity as a key determinant of aboveground and belowground biological community recovery in managed even-aged boreal forests. - Ecol. Evol. 13,5: e10086; 19 pp.; DOI: 10.1002/ece3.10086

Pfingstl, T. (2023): Sharp claws beneath our feet - the diversity of tarsal attachment devices of oribatid mites (Acari, Chelicerata, excluding Astigmata) - a review. - Intern. J. Acarol. 49,3-4: 165-195

Pfingstl, T. / Bardel-Kahr, I. / Schliep, K. (2023): One step closer but still far from solving the puzzle – The phylogeny of marine associated mites (Acari, Oribatida, Ameronothroidea) inferred from morphological and molecular genetic data. - Contr. Zool. 92: 283-315

Pfingstl, T. / Bardel-Kahr, I. / Schäffer, S. (2023): The Caribbean intertidal mite *Alismobates inexpectatus* (Acari, Oribatida), an unexpected case of cryptic diversity? - Org. Divers. Evol.: 22 pp.; DOI; 0.1007/s13127-023-00624-9

Ragusa di Chiara, S. (2023): Introductory remarks to the 2022 EURAAC Symposium in Bari. - Acarologia 63 (Suppl.): 1-3

Revelo-Tobar, H. / Estrada-Venegas, E.G. / Equihua-Martínez, A. / Valdez-Carrasco, J. (2023):* Biology and morphology of the ontogenetic development of *Allogalumna (Acrogalumna) longipluma* (Berlese, 1904) (Oribatida, Galumnidae). New record for Mexico. - Acta Zool. Mex. (n.s.) 39: 1-15

Ripka, G. (2023): Diversity of acarine fauna (Acari: Parasitiformes, Acariformes) inhabiting ornamental trees and shrubs in Hungary: A review. - Acta Phytopath. Entomol. Hung. 58,1: 70-107

Rueda-Ramirez, D. / Palevsky, E. / Ruess, L. (2023): Soil nematodes as a means of conservation of soil predatory mites for biocontrol. - Agronomy - Basel 13,1: 32; 27 pp.; DOI: 10.3390/agronomy13010032

Sánchez-Chávez, D.I. / Rodríguez-Zaragoza, S. / Velez, P. / Cabirol, N. / Ojeda, M. (2023): Fungal feeding preferences and molecular gut content analysis of two abundant oribatid mite species (Acari: Oribatida) under the canopy of *Prosopis laevigata* (Fabaceae) in a semi-arid land. - Exp. Appl. Acarol. 89,3-4: 417-432

Schatz, H. (2023): The genus *Cultrobates* (Acari: Oribatida, Ceratokalummidae) in the Galapagos Islands and Central America. - Acarologia 63,2: 428-453

Senicazk, A. / Senicazk, S. / Hagen, S.B. / Klütsch, C.F.C. (2023): A new species *Zachvatkinibates svanhovdi* sp. nov. (Acari: Oribatida, Punct-oribatidae) from Norway with comments on Punct-oribatidae in Fennoscandia. - Acarologia 63,1: 41-57

Seniczak, S. / Ivan, O. / Kaczmarek, S. / Seniczak, A. (2023): Morphological ontogeny of *Amerobelba decedens* (Acari, Oribatida, Amerobelbidae). - Syst. Appl. Acarol. 28,3: 411-428

Seniczak, S. / Ivan, O. / Kolesnikov, V.B. / Kaczmarek, S. / Marquardt, T. / Seniczak, A. (2023): Morphological ontogeny of *Eubelba danubedeltaica* sp. nov. (Acari, Oribatida, Damaeidae) and comments on *Eubelba* Miko. - Syst. Appl. Acarol. 28,5: 792-814

Seniczak, S. / Seniczak, A. (2023): Morphological ontogeny of *Pilogalumna ayildizi* sp. nov. (Acari, Oribatida, Galumnidae), a new cryptic species

from Turkey. - Syst. Appl. Acarol. 28,4: 715-731

Seniczak,S./Seniczak,A./Kaczmarek,S./Marquardt, T. / Kozhagaliyeva, R. (2023): Morphological ontogeny of *Pilogalumna kazakhstanica* sp. nov. (Acari, Oribatida, Galumnidae) from Kazakhstan. - Syst. Appl. Acarol. 28,1: 105-122

Seniczak, S. / Seniczak, A. / Ondono, E.F. (2023): Morphological ontogeny of *Graptoppia granadaensis* sp. nov. (Acari, Oribatida, Oppiidae), and comments on Graptoppia Balogh. - Syst. Appl. Acarol. 28,1: 88-104

Subias, L.S. (2023):* Listado sistemático, sinonímico y biogeográfico de los ácaros oribátidos (Acariformes, Oribatida) del mundo (excepto fósiles) (18a actualización). - (Originally published in Graellsia, 60 (número extraordinario): 3-305 (2004). - Monografías electrónicas S.E.A. 12: 538 pp. actualized in feb 2023, 540 pp., online capture). http://bba.bioucm.es/cont/docs/RO_1.pdf

Subias, L.S. / Shtanchaeva, U.Y. (2023): Claves de familias, géneros y subgéneros de ácaros oribátidos del mundo (Acari, Oribatida). - Monografías electrónicas S. E. A. 13: 1-290

Sun, Q.Z. / Li, X.L. / Shi, Y.F. / Zhang, Y.C. / Chai, W.J. / Chen, R.Y. / Niu, J.Z. / Wang, J.J. (2023): GARP: A family of glycine and alanine-rich proteins that helps spider mites feed on plants. - Ins. Sci. : 15 pp.; DOI:10.1111/1744-7917.13159

Tirlea, D. / Kristensen, T. / Osicki, A. / Jensen, B. / Williams, K. / Caners, R. / Lumley, L./Woywitka,R. (2023):* Ice, mountains, and people: applying a multi-proxy approach to reveal changes in Alberta's alpine ecosystems through ice patch research. - J. Glacial Arachaeol. 6: 56-59

Thakur, M.P. / Sigurosson, B.D. / Sigurosson, P. / Holmstrup, M. (2023): Warming shifts the biomass distribution of soil microarthropod communities. - Soil Biol. Biochem. 177: 108894; 8 pp.; DOI: 10.1016/j.soilbio.2022.108894

Warnke, L. / Hertel, D. / Scheu, S. / Maraun, M. (2023): Opening up new niche dimensions: The stoichiometry of soil microarthropods in European beech and Norway spruce forests. - Ecol. Evol. 13,5: e10122; 9 pp.; DOI: 10.1002/ece3.10122

Xu, S.-J. / Chen, J. (2023): Taxonomic contribution to the knowledge of the subgenus *Scheloribates (Topobates)* (Acari, Oribatida, Scheloribatidae), with description of a new species from China. - Syst. Appl. Acarol. 28,6: 1031-1042

Zhang, S. / Wu, H. / Liu, D. (2023): First record of the genus *Parapyroppia* Pérez-Ínigo & Subías, 1979 (Acari, Oribatida, Ceratoppiidae) from China, with description of a new species. - Syst. Appl. Acarol. 28,5: 958-970

Publications 2022

Akrami, M.A. / Bayartogtokh, B. (2022): A new species of the oribatid mite genus *Epilohmannia* (Acari: Oribatida, Epilohmanniidae), with a key to known species from Iran. - Syst. Appl. Acarol. 27,10: 1901-1910

Akrami, M.A. / Coetzee, L. (2022): *Iranotrichus crassisetosus* gen. nov., sp. nov. (Acari: Oribatida, Zetomotrichidae) from central Iran. - Syst. Appl. Acarol. 27,11: 2333-2346

Alidagi, H. / Ayyildiz, N. (2022): Taxonomic investigations on the oppiid mites (Acari, Oppiidae) of Ali Mountain (Kayseri). - Acarol. Stud. 4,2: 104-108

Badenhausser, I. / Fourcy, D. / Bertrand, M. / Pierre, A. / Bonneau, B. / Chapuis, J.-L. / Rantier, Y. / Hullé, M. (2022):* Do non-native plants affect terrestrial arthropods in the sub-Antarctic Kerguelen Islands? - Polar Biol. 45: 491-506

Bayartogtokh, B. / Ermilov, S.G. / Joharchi, O. (2022): Ontogenetic instars of *Lepidacarus maafushiensis* sp. nov. from the Maldives, with remarks on morphological ontogeny of Lohmanniidae. In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 7-29

Birkhofer, K. / Baulechner, D. / Diekötter, T. / Zaitsev, A. / Wolters, V. (2022): Fertilization rapidly alters the feeding activity of grassland soil mesofauna independent of management history. - Front. Ecol. Evol. 10: 864470; 10 pp.; DOI: 10.3389/fevo.2022.864470

Chen, Y.N. / Fan, C. / Zhang, F. / Zhu, C.D. / Chen, J. (2022):* A new method for DNA extraction without

destroying morphological characters applied to oribatid mites. - J. Environ. Entomol. 44,3: 751-755

Chinone, S. (2022):* An updated list of oribatid mites from Ibaraki Prefecture. [Orig. Jpn.] - Bull. Ibaraki Nature Mus. 25: 47-68

Coleman, J.L. / Cannatella, D.C. (2022):* How phylogenetics can elucidate the chemical ecology of poison frogs and their arthropod prey. - J. Chem. Ecol. 48: 384-400

Colloff, M.J. (2022): First records of Tumerozetidae and Nodocepheidae from Australia, with descriptions of new taxa and a re-assessment of the Polypterozetoidea (Oribatida, Brachypylina). - Zootaxa 5194 (1): 33-57

De Araújo, F.G. / De Lima, E.L. / Costa, E. / Daud, R.D. (2022): Influence of natural vegetation conservation on the distribution of mites in rubber tree crops. - Syst. Appl. Acarol. 27,8: 1629-1647

De Giosa, M. / Barreto, C. (2022): New host plant records for *Humerobates rostrolamellatus* Grandjean (Oribatida: Humerobatidae) in Italy. - Entomology Beginners 3: e040; 3 pp.; DOI: 10.12741/2675-9276.v3.e040

Ebrahimi, N. / Noei, J. (2022): Checklist of mites associated with stored products (Arachnida: Acari) of Iran. - Persian J. Acarol. 11,4: 559-631

Ermilov, S.G. (2022): A new species of *Galumna* (Acari, Oribatida, Galumnidae) from Malawi, with a key to known species of the genus from the Afrotropical region. - Syst. Appl. Acarol. 27,9: 1734-1744

Ermilov, S.G. / Kontschán, J. (2022): A new species of *Carabodes (Klapperiches)* (Acari, Oribatida, Carabodidae) from Malawi, with a key to known species of the subgenus from the Afrotropical region. - Persian J. Acarol. 11,3: 387-395

Ermilov, S.G. / Bayartogtokh, B. (2022): Ontogenetic instars of *Elliptochthonius profundus* Norton, 1975 (Acari, Oribatida, Elliptochthoniidae), with remarks on juveniles of the superfamily Parhypochthonioidea. In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 53-68

Ermilov, S.G. / Corpuz-Raros, L. (2022): Two new species of *Flagellozetes (Cosmogalumna)* (Acari, Oribatida, Galumnidae) from Sibuyan Island, Philippines, with a key to known species of the genus. - Syst. Appl. Acarol. 27,10: 2076-2085

Ermilov, S.G. / Corpuz-Raros, L. (2022): Two new species of *Euscheloribates* (Acari, Oribatida, Scheloribatidae) from the Philippines. - Acarologia 62,3: 811-820

Ermilov, S.G. / Corpuz-Raros, L. / Naredo, J.C.B. / Eusebio, O.L. (2022): New faunistical data on oribatid mites from the Philippines, with a description of a new species of the genus *Trachyoribates* (Acari, Oribatida, Haplozetidae). - Acta Zool. Acad. Scient. Hung. 68,3: 217-229

Ermilov, S.G. / Frolov, A. (2022): A new subgenus and two new species of oribatid mites (Acari, Oribatida) from Madagascar. - Acarologia 62,3: 798-810

Ermilov, S.G. / Frolov, A.V. (2022): New faunistic and taxonomic data on oribatid mites (Acari, Oribatida) from Montagne d'Ambre National Park, Madagascar. - Intern. J. Acarol. 48,6: 442-449

Ermilov, S.G. / Gubin, A.A. (2022): Supplementary description of *Oribatula elegantissima* Balogh and Mahunka, 1965 (Acari, Oribatida, Oribatulidae). - Acarina 30,2: 109-113

Ermilov, S.G. / Joharchi, O. (2022): A new species of *Lohmannia* from the Maldives (Acari, Oribatida, Lohmanniidae). - Spixiana 45,1: 45-51

Ermilov, S.G. / Joharchi, O. (2022): New faunistical data on oribatid mites from the Maldives, with description of a new species of *Aeroppia* (Acari, Oribatida, Oppiidae) and a key to known species of the genus. - Syst. Appl. Acarol. 27,8: 1500-1508

Ermilov, S.G. / Khaustov, A.A. / Joharchi, O. / Döker, I. / Khaustov, V.A. (2022): New faunistical data on oribatid mites (Acari, Oribatida) from Altai, Russia, with description of a new species of *Sphaerozetes* (Ceratozetidae). - Acarologia 62,4: 1098-1110

Ermilov, S.G. / Makarova, O.L. (2022): Redescription of *Punctoribates tschernovi* Shthanchaeva and

Subias, 2014 (Acari, Oribatida, Punctoribatidae). - Acarina 30,2: 115-120

Ermilov, S.G. / Makarova, O.L. / Behan-Pelletier, V.M. (2022): Description of *Oromurcia magadanensis* sp. nov. (Acari, Oribatida, Ceratozetidae) from Russia, with remarks on biogeography of the genus *Oromurcia* Thor, 1930. In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 7-29

Ermilov, S.G. / Rybalov, L.B. (2022): Taxonomic contribution to the knowledge of the oribatid mite genus *Arcoppia* (Acari, Oribatida, Oppiidae). - Intern. J. Acarol. 48,7: 588-593

Ermilov, S.G. / Salavatulin, V.M. (2022): New species of *Flagellozetes (Cosmogalumna)* (Acari, Oribatida, Galumnidae) from Vietnam. - Acta Zool. Acad. Scient. Hung. 68,4: 293-304

Ermilov, S.G. / Salavatulin, V.M. (2022): Description of ontogenetic instars of *Scapheremaeus marati* sp. nov. (Acari, Oribatida, Cymbaeremaeidae) from Vietnam. - Syst. Appl. Acarol. 27,12: 2369-2385

Ermilov, S.G. / Salavatulin, V.M. (2022): Oribatid mites of the genus *Eremaeozetes* (Acari, Oribatida, Eremaeozetidae) from trees in Cat Tien National Park, Vietnam. - Intern. J. Acarol. 48,6: 510-522

Ermilov, S.G. / Subias, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2022): A new species of *Ceratobates* (Acari, Oribatida) from Peru and a key to known species of the genus. - Acta Zool. Acad. Scient. Hung. 68,3: 231-238

Ermilov, S.G. / Subias, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2022): A new species of *Amboroppia* (Acari, Oribatida, Oppiidae) from the Peruvian Andes, with remarks on generic diagnosis. - Persian J. Acarol. 11,3: 439-446

Ermilov, S.G. / Subias, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2022): Contribution to the knowledge of the oribatid mite genus *Suctoribates* (Acari, Oribatida, Rhynchoribatidae), with description of two new species from Peru. - Intern. J. Acarol. 48,7: 581-587

Ermilov, S.G. / Subias, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2022): Contribution to the knowledge of the oribatid mite genus *Epieremulus* (Acari, Oribatida, Anderemaeidae), with description of a new species from Peru. - Syst. Appl. Acarol. 27,11: 2355-2364

Ermilov, S.G. / Subias, L.S. / Shtanchaeva, U.Y. / Friedrich, S. / Kontschán, J. (2022): New species of the family Scheloribatidae (Acari, Oribatida) from Peru. - Intern. J. Acarol. 48,6: 472-478

Ermilov, S.G. / Subias, L.S. / Shtanchaeva,U.Y. (2022): Contribution to the knowledge of the oribatid mite genus *Arcozetes* Hammer, 1958 (Acari, Oribatida, Ceratokalummidae), with the description of a new species from Peru. - Zool. Zh. 101,10: 1107-1114

Escher, J. / Hohberg, K. / Decker, P. / Lehmitz, R. (2022): Ecology, genetics and distribution of *Punctoribates zachvatkini*, an oribatid mite so far overlooked in Germany. - Exp. Appl. Acarol. 87,4: 289-307

Fan, Q.H. / Camoin, M. / Quinn, O. / Hall, R. (2022):* Parasitic and phoretic mites of honeybees (*Apis mellifera*) from Wallis and Futuna. Abstract. - Zoosymposia 22: 304

Ferraz, C.S. / Silva Ataide, L.M. / Correa Gondim, M.G. / Pallini, A. (2022):* Arthropods associated with the lychee erinose mite, *Aceria litchii* (Acari: Eriophyidae) on lychee trees in Minas Gerais, Brazil. - Exp. Appl. Acarol. 88,3-4: 289-300

Guidi, C. / Frey, B. / Brunner, I. / Meusburger, K. / Vogel, M.E. / Chen, X. / Stucky, T. / Gwiazdowicz, D.J. / Skubała, P. / Bose, A.K. / Schaub, M. / Rigling, A. / Hagedorn, F. (2022): Soil fauna drives vertical redistribution of soil organic carbon in a long-term irrigated dry pine forest. - Glob. Change Biol. 28: 3145-3160

Gduła, A.K. / Konwerski, S. / Olejniczak, I. / Rutkowski, T. / Skubała, P. / Zawieja, B. / Gwiazdowicz, D.J. (2022): Pathogens as creators of biodiversity. A study on influence of decayed bracket fungi on alpha diversity of microarthropods in the Karkonosze National Park, Poland. - Sylwan 166,1: 17-40

Gergocs, V. / Florian, N. / Toth, Z. / Szili-Kovacs, T. / Mucsi, M. / Dombos, M. (2022): Crop species and year affect soil-dwelling Collembola and Acari more strongly than fertilisation regime in an arable

field. - Appl. Soil Ecol. 173: 104390; 11 pp.; DOI: 10.1016/j.apsoil.2022.104390

Gwiazdowicz, D.J. / Niedbała, W. / Skarzynski, D. / Zawieja, B. (2022): Occurrence of mites (Acari) and springtails (Collembola) in bird nests on King George Island (South Shetland Islands, Antarctica). - Polar Biol. 45: 1035-1044

Hakimitabar, M. / Sazmand, A. (Eds.) (2022): Program and Abstract book of the Fourth International Persian Congress of Acarology. 28-30 July 2022, Mashhad, Iran. - Acarological Society of Iran: 116 pp.

Hense, J. / Schittek, K. / Forbiger, M. / Mächtle, B. / Schäbitz, F. / Bonkowski, M. (2022): The oribatid mite (Acari: Oribatida) community of a high-Andean cushion peatland in southern Peru. - Acarologia 62,4: 879-891

Hugo-Coetzee, E.A. / Baumann, J. / Neethling, J.-A. / Bardel-Kahr, I. / Pfingstl, T. (2022): Ontogeny of South African intertidal oribatid mite species (Acari, Oribatida, Ameronothroidea) and supplements to adult morphology. - Acarologia 62,3: 721-753

Jászayová, A. / Ľuptáčik, P. / Csanády, A. / Chovancová, G. / Hurniková, Z. (2022): Biodiversity of oribatid mites (Acari: Oribatida) in the Tatra Mountains, Central Europe. - Intern. J. Acarol. 48,8: 605-618

Khan, A.K. / Bashir, M.H. / Ahmed, S. / Ahmed, I. / Khan, M.A. (2022): Diversity of soil inhabiting oribatida (Acari) under cultivated and uncultivated land types from Punjab, Pakistan. - Pak. J. Agric. Sci. 59,2: 241-246

Khydyrov, P. (2022):* Oribatid mites of south-eastern Karakum. [Orig. Russ.] – Probl. Desert Dev. 1-2: 35-40

Khydyrov, P. (2022):* Oribatid mites of Koytendag. [Orig. Russ.] - Probl. Desert Dev. 1-2: 58-61

Kolesnikov, V.B. / Miko, L. / Marchenko, I.I. / Azimi, N. (2022): The oribatid mite subgenus *Metabelba (Pateribelba)* (Acari, Oribatida, Damaeidae): redescription of *M. (P.) filippovi* and description of two new species. - Intern. J. Acarol. 48,7: 535-550

Liu, C. / Liu, D. / Chen, J. (2022):* Arthur Paul Jacot (1890-1939), the scholar who firstly initiated taxonomic study on oribatid mites in China. [Orig. Chin.] - Acta Arachnol. Sin. 31,2: 73-74

Liu, D. / Zhang, S. / Zou, Y. / Zou, Z. (2022): First investigation on oribatid fauna (Acari, Oribatida) of bird nests in China, with description of a new species of the genus *Plonaphacarus* (Steganacaridae). - Syst. Appl. Acarol. 27,9: 1723-1733

Liu, W.-J. / Yin, X.-M. / Gong, T. / Liu, Y. / Chen, H. (2022): Community structure of epilithic moss mites and their response to environmental factors in different grades of rocky desertification habitats. - Sustainability 14: 14860; 17 pp.; DOI: 10.3390/su142214860

Lu, J.-Z. / Cordes, P.H. / Maraun, M. / Scheu, S. (2022): High consistency of trophic niches in generalist arthropod species (Oribatida, Acari) across soil depth and forest type. - Ecol. Evol. 12,2: e 9572; 11 pp.; DOI: 10.1002/ece3.9572

Makarova, O.L. / Ermilov, S.G. (2022): First data on the mites (Mesostigmata, Oribatida) from sea debris of the Caspian Sea (Dagestan coast, Russia). - Persian J. Acarol. 11,4: 633-642

Mangová, B. / Didyk, Y. (2022): An annotated checklist of oribatid mites (Acari, Oribatida) of Slovakia - addendum. (With a complete checklist 2022 with notes in supplement.) - Entomofauna carp. 34,1: 172-188

Maraun, M. / Bischof, P.S.P. / Klemp, F.L. / Pollack, J. / Raab, L. / Schmerbach, J. / Schaefer, I. / Scheu, S. / Caruso, T. (2022): "Jack-of-all-trades" is parthenogenetic. - Ecol. Evol. 12: e9036; 10 pp.; DOI: 10.1002/ece3.9036

Miko, L. / Kolesnikov, V.B. / Ermilov, S.G. / Klimov, P.B. (2022): Taxonomy of European Damaeidae (Acari, Oribatida) XI. European species of the genus *Piribelba* Miko 2021: redescriptions of *P. rossica* (Bulanova-Zachvatkina, 1957) and *P. piriformis* (Mihelcic, 1964) using morphology and DNA sequence data. In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 169-210

Minor, M.A. / Ermilov, S.G. / Joharchi, O. / Philippov, D.A. (2022):* Using spectral indices derived from remote sensing imagery to represent arthropod biodiversity gradients in a European sphagnum peat bog. - Arthropoda 1: 35-46; DOI: 10.3390/arthropoda1010006

Mohsin, M. / Ahmad, H. / Nasir, M.N. / Abideen, Z.U. /

Nadeem, M. / Sattar, R. / Saad, A.Q. / Hussain, M. / Shah, S.A. / Cheng, H. / Sturdivant, D. / Hameed, S.A. (2022): Quantifying the soil arthropod diversity in urban forest in Dera Ghazi Khan. - BioMed Res. Intern. Art. ID 8125585; 14 pp.; DOI: 10.1155/2022/8125585

Moldovan, O.T. / Miko, L. / Panaiotu, C. / Roban, R.-D. / Gasiorowski, M. / Hercman, H. / Orza, R. / Kenesz, M. / Mirea, L.C. / Petculescu, A. / Robu, M. / Constantin, S. (2022): Small human population drastic impact, as inferred from multi-proxies of a temporary carpathian lake. - Front. Earth Sci. 10: 856685; 17 pp.; DOI: 10.3389/feart.2022.856685

Niedbała, W. / Błoszyk, J. (2022): Materials adding to knowledge of ptyctimous mites (Acari: Oribatida) in Poland. - Syst. Appl. Acarol. 27,10: 2086-2102

Niedbała, W. / Ermilov, S.G. (2022): New species and records of ptyctimous mites (Acarina, Oribatida) from the Neotropical region. - Syst. Appl. Acarol. 27,8: 1566-1573

Niedbała, W. / Ermilov, S.G. (2022): A new species and new records of ptyctimous mites (Acari, Oribatida) from Ethiopia. - Syst. Appl. Acarol. 27,11: 2156-2165

Niedbała, W. / Kaczmarek, S. / Skoracki, M. (2022): New and rare palaearctic euptyctimous mite species (Acari, Oribatida). - Syst. Appl. Acarol. 27,11: 2458-2475

Norton, R.A. (2022): How mites surprise us. - Zoosymposia 22: 24-28

Norton, R.A. / Ermilov, S.G. (2022): Paedomorphosis and sexuality in Eulohmanniidae (Acari, Oribatida): surprising diversity in a relictual family of oribatid mites. - Acarologia 62,4: 989-1069

Ojeda, M. / Iglesias, R. / Palacios-Vargas, J.G. (2022):* Ptychoid mites Steganacaridae (Oribatida), re-descriptions, new records and identification key to the Mexican species. - Rev. Mex. Biodivers. 93: e934180, 13 pp.; DOI: 10.22201/ib.20078706e.2022.93.4180

Oszust, M. / Klimaszyk, P. (2022): Soil conditions under cormorant colonies favor for mites excepting Oribatida. - Acarologia 62,4: 974-988

Palacios-Vargas, J.G. / Iglesias, R. / Paez, J. (2022): Los ácaros del género *Scapheremaeus* (Oribatei, Cymbaeremaeidae) en Los Tuxtlas, Veracruz, con descripción de una especie nueva modificada para la vida arborícola. - Rev. Mexic. Biodivers. 93: e933971; 16 pp.; DOI: 10.22201/ib.20078706e.2022.93.3971

Pan, X. / Liu, D. (2022): An overview of new taxa of Oribatida all over the world from 2020 to 2021 and new species of China in recent 15 years - Commemorating the 100th anniversary of the birth of Chinese Oribatology. - Biodivers. Sci. 30: 22193; 67 pp.; DOI: 10.17520/biods.2022193

Peng, Y. / Holmstrup, M. / Kappel Schmidt, I. / De Schrijver, A. / Schelfhout, S. / Hedenec, P. / Zheng, H. / Ruggiero Bachega, L. / Yue, K. / Vesterdal, L. (2022): Litter quality, mycorrhizal association, and soil properties regulate effects of tree species on the soil fauna community. - Geoderma 407: 115570; 10 pp.; DOI: 10.1016/j.geoderma.2021.115570

Pepato, A.R. / Costa, S.G. dos / Harvey, M.S. / Klimov, P.B. (2022):* One-way ticket to the blue: A large-scale, dated phylogeny revealed asymmetric land-to-water transitions in acariform mites (Acari: Acariformes). - Molec. Phylogenet. Evol. 177: 107626; 15 pp.; DOI: 10.1016/j.ympev.2022.107626

Pequeno, P.A.C.L. / Franklin, E. / Norton, R.A. (2022): Hunger for sex: Abundant, heterogeneous resources select for sexual reproduction in the field. - J. Evol. Biol. 35,10: 1387-1395

Pérez-Sayas, C. / Pina, T. / Sabater-Munoz, B. / Gómez-Martinez, M.A. / Jaques, J.A. / Hurtado-Ruiz, M.A. (2022): DNA barcoding and phylogeny of Acari species based on ITS and COI markers. - J. Zool. Syst. Evol. Res. Art. ID: 5317995; 13 pp.; DOI: 10.1155/2022/5317995

Potapov, A.M. (2022):* Multifunctionality of belowground food webs: resource, size and spatial energy channels. - Biol. Rev. 97: 1691-1711

Praveena, K.K. / Sobha, T.R. (2022):* The post-embryonic development of *Lasiobelba (Lasiobelba) kuehnelti* (Csiszar, 1961) (Acari; Oppidae; Oribatida) on microfungi *Trichoderma harzianum*. In: James, R. et al. (Eds.): Life Science Research and Intellectual Property Rights - LRIPR 2022. - Proc. St. Joseph's College für Women, Alappuzha, Kerala: 49-56

Revelo-Tobar, H. (2022): Checklist of Oribatid mites (Acari: Oribatida) of Ecuador. - Zootaxa 5210 (1): 1-96

Revelo-Tobar, H. / Estrada-Venegas, E.G. / Equihua-Martínez, A. / Valdez-Carrasco, J. (2022):* Oribatid mites in agricultural and natural soils: a case study of vertical distribution. - Entomol. Comm. 4: ec04015; 3 pp.; DOI: 10.37486/2675-1305.ec04015

Roy, S. / Bano, R. / Srivastav, A.K. (2022):* Ecological assessment of soil mite communities in diverse fodder production systems of semi-arid central India. - Flora and Fauna 28,2: 273-283

Ryabinin, N.A. (2022): *Joshuella elegantula* sp. nov. - new oribatid mite (Acariformes, Oribatida) from the Khabarovsk Region. - Amurian Zool. J. 14,2: 231-235

Salavatulin, V.M. / Ermilov, S.G. / Kudrin, A.A. / Nguyen, T.D. (2022): Initial data on arboreal oribatid mites (Acari, Oribatida) from Vietnam. - Acarina 30,2: 103-108

Salazar-Fillippo, A.A. / Teunkens, B. / Leirs, H. / Frouz, J. / Diggelen R. van / Miko, L. (2022): Quantitive assessment of the disersal of soil-dwelling oribatid mites via rodents in restored heathlands. - Ecol. Evol. 12,12: e 9653; 14 pp.; DOI: 10.1002/ece3.9653

Sánchez-Galindo, L.M. / Sandmann, D. / Marian, F. / Lauermann, T. / Maraun, M. / Scheu, S. (2022): Differences in leaf and root litter decomposition in tropical montane rainforests are mediated by soil microorganisms not by decomposer microarthropods. - PeerJ 10: e14264; 24 pp.; DOI: 10.7717/peerj.14264

Santacruz, A. / Barluenga, M. / Pérez-Ponce de León, G. (2022): Filling the knowledge gap of Middle American freshwater fish parasite biodiversity: metazoan parasite fauna of Nicaragua. - J. Helminthol. 96: e24; 10 pp.; DOI: 10.1017/S0022149X2200013X

Schatz, H. (2022): Oribatid mites (Acari, Oribatida) from the Petzen Massif (Karawanks, Carinthia, Austria). - Mitt. Naturwiss. Ver. Steiermark 152: 5-25

Seniczak, A. / Seniczak, S. (2022): Morphological ontogeny of *Phauloppia nemoralis* (Acari, Oribatida, Oribatulidae), with comments on *Phauloppia* Berlese. In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 69-94

Seniczak, A. / Seniczak, S. (2022): Morphological ontogeny of *Pilogalumna tenuiclava* (Acari, Oribatida, Galumnidae) and comments on *Pilogalumna* Grandjean. In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 95-120

Seniczak, A. / Seniczak, S. / Hassel, K. / Flatberg, K.I. (2022): Morphological ontogeny of *Platynothrus troendelagicus* sp. nov. (Acari, Oribatida, Camisiidae) from Norway. - Syst. Appl. Acarol. 27,9: 1702-1722

Seniczak, A. / Seniczak, S. / Iturrondobeitia, C. / Gwiazdowicz, D.J. / Waldon-Rudzionek, B. / Flatberg, K.I. / Bolger, T. (2022): Mites (Oribatida and Mesostigmata) and vegetation as complementary bioindicators in peatlands. - Sci. Total Environ. 851: 158335; 13 pp.; DOI: 10.1016/j.scitotenv.2022.158335

Seniczak, A. / Seniczak, S. / Iturrondobeitia, J.C. / Marciniak, M. / Kaczmarek, S. / Makol, J. / Kazmierski, A. / Zawal, A. / Schwarzfeld, M.D. / Flatberg, K.I. (2022): Inclusion of juvenile stages improves diversity assessment and adds to our understanding of mite ecology - A case study from mires in Norway. - Ecol. Evol. 12,12: e 9530; 16 pp.; DOI: 10.1002/ece3.9530

Seniczak, A. / Seniczak, S. / Kowalski, J. (2022): Morphological ontogeny of *Hermanniella septentrionalis* (Acari, Oribatida, Hermanniellidae) and comments on *Hermanniella* Berlese. In: Zhang, Z.-Q. et al. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 121-148

Seniczak, S. / Ivan, O. / Kaczmarek, S. / Falenczyk-Kozirog, K. / Seniczak, A. (2022): Morphological ontogeny of *Punctoribates ghilarovi* (Acari, Oribatida, Punctoribatidae). In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 149-168

Subias, L.S. (2022):* Adiciones al listado mundial de ácaros oribátidos (Acari, Oribatida) (17ª actualización). - Rev. Ibér. Aracnol. 40: 173-176

Subias, L.S. / Orobitg, J. / Shtanchaeva, Y.U. (2022):* Primeras citas de ácaros oribátidos (Acari, Oribatida) de la Península Ibérica. - Rev. Ibér. Aracnol. 40: 30-32

Subias, L.S. / Shtanchaeva, U.Ya. / Arillo, A. (2022): Oribátidos (Acari, Oribatida) de España peninsular e islas Baleares. Distribución (6a actualización). - (Originally published in Monografías electrónicas

Sociedad Entomológica Aragonesa, 5, 255 pp. (2013), actualized in March 2022. - http://bba.bioucm.es/cont/docs/RO_28.pdf : 332 pp.

Sun, J. / Liu, D. / Zhu, J. / Zhang, S. / Gao, M. (2022): Spatial distribution pattern of soil mite community and body size in wheat- maize rotation farmland. - Biodivers. Sci. 30,12: 22292; 17 pp.; DOI: 10.17520/biods.2022292

Toluk, A. / Ayyildiz, N. (2022): First record of the family Nosybeidae (Acari, Oribatida) from Turkey: *Lamellocepheus personatus*. - Acarol. Stud. 4,2: 79-82

Tong, F. / Wu, Z. / Lin, R. / Wu, X. / Deng, H. / Yuan, Q. / Luan, J. / Xiao, Y. (2022):* Effects of *Phyllostachys edulis* expansion on soil oribatid mite community structure. [Orig. Chin.] - J. Northeast For. Univ. 50,2: 59-64

Zhang, Z.-Q. (2022): Preface to "Ontogeny and morphological diversity in immature mites (Part VI)". In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 5-6

Zhang, Z.-Q. / Fuangarworn, M. (Eds.) (2022): Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 1-290

Zheng, L.-H. / Chen, J. (2022): Contribution to the knowledge of the oribatid mite genus *Megalotocepheus* (Acari, Oribatida, Otocepheidae) with a new species from China. - Syst. Appl. Acarol. 27,11: 2283-2308

Publications, additions 2021

Arnott, A. / Riddell, G. / Emmerson, M. / Caruso, T. / Reid, N. (2021):* Upland grassland habitats and agri-environment schemes change soil microarthropod abundance. - J. Appl. Ecol. 58: 2256-2265

Carpio Mamani, M. (2021):* Diversidad biologica y genética de microartrópodos edáficos asociados a cultivos de vid en Chile central. (Unpublished thesis) - Pontificia Universidad Católica de Chile, Fac. Agron. e Ing. Forestal, Santiago, Chile: 88 pp.

Fernandez, N. / Dante, L.S. / Alejandro, V.J. (2021):* The family Eremaeozetidae (Acari: Oribatidae), genus *Rogerzetes*, Afrotropical Region. Proposal a news genus *Provoliszetes*. - LAP Lambert Academic Publishing, Moldova: 105 pp.

Hydyrow, P. (2021): The results of a comparative study of oribatid mites of an agrobiocenosis. [Orig. Turkm.] - Sci. Technol. Turk. 5: 58-64

Jochum, M. / Ferlian, O. / Thakur, M.P. / Ciobanu, M. / Klarner, B. / Salamon, J.A. / Frelich, L.E. / Johnson, E.A. / Eisenhauer, N. (2021): Earthworm invasion causes declines across soil fauna size classes and biodiversity facets in northern North American forests. - Oikos 130: 766-780

Mo, L. / Xu, G. / Zhang, J. / Wu, Z. / Yu, S. / Chen, X. / Peng, B. / Squartini, A. / Zanella, A. (2021): Threshold reaction of soil arthropods to simulative nitrogen deposition in urban green spaces. - Front. Ecol. Evol. 9: 711774; 10 pp.; DOI: 10.3389/fevo.2021.711774

Öztoprak, H. / Brandt, A. / Solbach, M.D. / Bast, J. / Schaefer, I. (2021): Having babies in soil: Is this really necessary? - Front. Young Minds - Biodiversity 9: 611659; 11 pp.; DOI: 10.3389/frym.2021.611659

Revelo-Tobar, H. / Estrada-Venegas, E.G. / Equihua-Martínez, A. / Valdez-Carrasco, J. (2021):* New records of oribatid mites from Michoacán state, Mexico. - Entomol. Comm. 3: ec03049; 4 pp.; DOI: 10.37486/2675-1305.ec03049

Rieznik, S. / Havva, D. / Butenko, A. / Novosad, K. (2021): Biological activity of chernozems typical of different farming practices. - J. Agric. Sci. 2,32: 307-313

Rukavec, E.W. / Hushtan, H.H. (2021):* Nothroid mites (Acari: Oribatida, Nothridae) in the collection of the State Museum of Natural History of NAS of Ukraine. - Proc. State Nat. Hist. Mus. 37: 57-62

Straalen, N.M. van (2021): Evolutionary terrestrialization scenarios for soil invertebrates. - Pedobiologia 87-88: 150753; 15 pp.; DOI: 10.1016/j.pedobi.2021.150753

Trave, J. (2021):* Sur les Podacaridae (Acariens: Oribates) des Terres australes. - Bull. Soc. Hist. nat. Toulouse 157: 61-78

Travé, J. (2021):* L'écologie terrestre: une originalité

pour une station marine. Chapitre 9. In: Guy, J. / Desdevises, Y. (Eds.), Du Laboratoire Arago à l'Observatoire océanologique de Banyuls - Une épopée humaine et scientifique. 253 pp. - Sorbonne Université Presse: 163-172

Zubairova, M. / Ataev, A.M. / Karsakov, N.T. / Dzhambulatov, Z.M. / Ataeva, S.T. (2021):* Biodiversity of oribatid mites in the ecosystems of Dagestan and their infection with Moniezia procercoids. - Russ. J. Parasitol. 15,4: 36-42

Publications, additions 2020

Mineiro, J.L.C. / Raga, A. (2020):* Mites associated with *Citrus latifolia* (Rutaceae) from an orchard at Artur Nogueira municipality, São Paulo State, Brazil. - Entomol. Comm. 2: ec02014; 2 pp.; DOI: 10.37486/2675-1305.ec02014

Trave, J. (2020): La richesse spécifique des milieux interstitiels et de leurs annexes des Pyrénées-Orientales à l'Antarctique. - Trav. de la Massane 115: 1-40

Publications, additions 2019

Lucas, J.M. / Gora, E. / Salzberg, A. / Kaspari, M. (2019):* Antibiotics as chemical warfare across multiple taxonomic domains and trophic levels in brown food webs. - Proc. Biol. Sci. 286,1911: 1-9

McCary, M.A. / Wise, D.H. (2019):* Plant invader alters soil food web via changes to fungal resources. - Oecologia 191,3: 587-599

Poch, R.M. / Pascual, M. / Villar, J.M. / Rufat, J. (2019):* Soil porosity changes in orchards with subsurface irrigation. - Bol. Soc. Geol. Mex. 71,1: 1-10

Potapov, A.M. / Klarner, B. / Sandmann, D. / Widyastuti, R. / Scheu, S. (2019):* Linking size spectrum, energy flux and trophic multifunctionality in soil food webs of tropical land-use systems. - J. Anim. Ecol. 88: 1845-1859

Prebble, M. / Anderson, A.J. / Augustinus, P. / Emmitt, J. / Fallon, S.J. / Furey, L.L. / Holdaway S.J. / Jorgensen, A. / Ladefoged, T.N. / Matthews, P.J. / Meyer, J.Y. / Phillipps, R. / Wallace, R. / Porch, N. (2019):* Early tropical crop production in marginal subtropical and temperate Polynesia. - PNAS 116,18: 8824-8834

Sokol, N.W. / Kuebbing, S.E. / Karlsen-Ayala, E. / Bradford, M.A. (2019):* Evidence for the primacy of living root inputs, not root or shoot litter, in forming soil organic carbon. - New Phytol. 221,1: 233-246

Torre Santana, P.E. / De la Cuervo Pineda, N. (2019):* Actualización de la lista de ácaros (Arachnida: Cuba) de Cuba. - Rev. Iber. Aracnol. 34: 102-118

Publications, additions 2018

Giona Bucci, M. / Smith, C.M. / Almond, P.C. / Villamor, P. / Tuttle, M.P. (2018): * Micromorphological analysis of liquefaction features in alluvial and coastal environments of Christchurch, New Zealand. - Sedimentology 66: 963-982

Gümüs, N. / Per, S. / Eroglu, H.E. (2018): Karyotype analysis of *Phauloppia lucorum* (Koch, 1841) (Oribatida, Oribatulidae). - Türk. Entomol. Derg. 42,2: 77-83

Vuuren, B.J. van / Lee, J.E. / Convey, P. / Chown, S.L. (2018): Conservation implications of spatial genetic structure in two species of oribatid mites from the Antarctic Peninsula and the Scotia Arc. - Antarctic Sci. 30,2: 105-114

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:

Carabodes guatemalaensis Ermilov, 2023 (*Page*: 2[1]) – TYPES: HT[2]♀ - CNC, 2 PT[2]♂ - TSUMZ[3]

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

AMU - **A**dam **M**ickiewicz **U**niversity, Natural History Collections, Faculty of Biology, Poznan, Poland

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

AUG - **A**gricultural **U**niversity of **G**eorgia, Tbilisi, Georgia

BRIN - National Research and Innovation Agency (Indonesian: **B**adan **R**iset dan **I**novasi **N**asional) Cibinong, Indonesia

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

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

DPPSU - **D**epartment of **P**lant **P**rotection, College of Agriculture, **S**hiraz **U**niversity, Shiraz, Iran

IZAS - **I**nstitute of **Z**oology, Chinese **A**cademy of **S**ciences, Beijing, China

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

MUSM - **M**useo de Historia Natural, **U**niversidad Nacional Mayor de **S**an **M**arcos, Lima, Peru

NIGA - **N**ortheast **I**nstitute of **G**eography and **A**groecology, Chinese Academy of Sciences, Changchun, China

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

RNC - **R**oy A. **N**orton **C**ollection, New York, Syracuse, USA

SEVIN - A.N. **SEV**ertsov **IN**situte of Ecology and Evolution, Russian Academy of Sciences, Moskau, Russia

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

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

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

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

ZMUB - **Z**oological **M**useum, **U**niversity **B**ergen, Bergen, Norway

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

New species

Arcozetes longicornutus Ermilov, Subias & Shtanchaeva, 2022 (Page: 1108) – TYPES: HT♀ - MUSM, 2 PT♂ + 4 PT♀ - TSUMZ

Acrotritia quasiparadikra Niedbała, 2022 (Page: 2459) – TYPES: HT + 2 PT - DATE

Aeroppia maldivesensis Ermilov & Joharchi, 2022 (Page: 1502) – TYPES: HT♀ + 2 PT♂ - TSUMZ

Afreremella (Arboreremella) madagascarensis Ermilov & Frolov, 2022 (Page: 800) – TYPES: HT♀ - ZISP, 3 PT♀ - TSUMZ

Aleurodamaeus aethiopicus Ermilov, Hugo-Coetzee & Rybalov, 2023 (Page: 154) – TYPES: HT - SMNG, 20 PT - TSUMZ

Alismobates piratus Pfingstl, Bardel-Kahr, Schäffer, 2023 (Page: 6) – TYPES: HT♂ + PT♀ - SMNG

Amboroppia andensis Ermilov, Subias, Shtanchaeva & Friedrich, 2022 (Page: 440) – TYPES: HT♀ - MUSM, 6 PT♂ + 5 PT♀ - TSUMZ

Amboroppia (Quintanoppia) defectofossulata Ermilov & Kontschán, 2023 (Page: 316) – TYPES: HT♂ - SMNG, 4 PT♂ + 2 PT♀ - TSUMZ

Anderemaeus friedrichi Ermilov, Subias & Shtanchaeva, 2023 (Page: 530) – TYPES: HT♀ - MUSM, PT♀ + PT♂ - TSUMZ

Anderemaeus paracapitatus Ermilov, Subias & Shtanchaeva, 2023 (Page: 533) – TYPES: HT♂ - MUSM, PT♀ + PT♂ - TSUMZ

Anderemaeus umaluisorum Ermilov & Friedrich, 2023 (Page: 9) – TYPES: HT♀ - MUSM, PT♀ - TSUMZ

Arcoppia gezahegni Ermilov & Rybalov, 2022 (Page: 589) – TYPES: HT♂ - SMNG, 4 PT♂ + 9 PT♀ - TSUMZ

Atropacarus (Hoplophorella) additus Niedbała, 2023 (Page: 381) – TYPES: HT - DATE

Austrophthiracarus paradiazae Niedbała, 2022 (Page: 1570) – TYPES: HT - DATE

Carabodes (Klapperiches) dedzaensis Ermilov & Kontschán, 2022 (Page: 388) – TYPES: HT♂ - SMNG, 2 PT♂ - TSUMZ

Carabodes (Klapperiches) lindquisti Ermilov, 2023 (Page: 3) – TYPES: HT♂ - CNC, 3 PT♂ + PT♀ - TSUMZ

Carabodes guatemalaensis Ermilov, 2023 (Page: 2) – TYPES: HT♀ - CNC, 2 PT♂ - TSUMZ

Carinogalumna widyastutiae Ermilov, Sandmann & Scheu, 2023 (Page: 1044) – TYPES: HT♂ - BRIN, PT♀ - TSUMZ

Ceratobates pachiteaensis Ermilov, Subias, Shtanchaeva & Friedrich, 2022 (Page: 233) – TYPES: HT♀ - MUSM, 2 PT♂ + 2 PT♀ - TSUMZ

Ceratoppia cavernalis Ermilov, Subias, Shtanchaeva & Friedrich, 2023 (Page: 537) – TYPES: HT♂ - ZSM, 5 PT♂ - TSUMZ

Cryptoribatula austroafricana Hugo-Coetzee, 2023 (Page: 396) – TYPES: HT♀ + 7 PT♀ + 4 PT♂ - NMB, 3 PT♂ + 3 PT♀ - SMNG

Cultrobates ermilovi Schatz, 2023 (Page: 435) – TYPES: HT♀ + 4 PT♂ + 4 PT♀ - SMNG

Cultrobates subiasi Schatz, 2023 (Page: 437) – TYPES: HT♀ + PT♂ + PT♀ - SMNG

Dometorina robusta Ermilov & Salavatulin, 2023 (Page: 234) – TYPES: HT♀ - SMNG, 3 PT♂ + 3 PT♀ - TSUMZ

Dolicheremaeus phatthayaensis Ermilov, Khaustov & Kontschán, 2023 (Page: 96) – TYPES: HT♀ - SMNG, 4 PT♂ + 4 PT♀ - TSUMZ

Epieremulus mariacaballeroae Ermilov, Subias, Shtanchaeva & Friedrich, 2022 (Page: 2357) – TYPES: HT♀ - MUSM, 13 PT - TSUMZ, 2 PT - ZSM

Epilohmannia aborigensis Ermilov & Norton, 2023 (Page: 28) – TYPES: HT♀ + 18 PT - CNC, 13 PT - TSUMZ, 2 PT - RNC

Epilohmannia (Neoepilohmannia) jacoti Liu & Chen, 2023 (Page: 522) – TYPES: HT ♀ PT♂ + 5 PT♀ - IZAS

Epilohmannia rotundistriata Akrami & Bayartogtokh, 2022 (Page: 1902) – TYPES: HT♀ + 4 PT♀ - DPPSU, PT♀ - JAZM

Epimerella kalmykorum Ermilov & Makarova, 2023 (Page: 244) – TYPES: HT♀ + PT♀ - TSUMZ

Eremaeozetes tatyanae Ermilov & Salavatulin, 2022 (Page: 510) – TYPES: HT♀ - SMNG, 6 PT♂ + 6 PT♀ - TSUMZ

Eremella ryabinini Ermilov & Abramov, 2023 (Page: 190) – TYPES: HT♀ + 2 PT♀ - TSUMZ

Eubelba danubedeltaica Seniczak, Ivan, Kolesnikov, Kaczmarek, Marquardt & Seniczak, 2023 (Page: 794) – TYPES: HT♀ + 2 PT♂ + 3 PT♀ - ZMUB

Eulohmannia juvenalis Ermilov & Norton, 2023 (Page: 38) – TYPES: HT♀ + 2 PT - TSUMZ, 3 PT - RNC

Euphthiracarus (Pocsia) debreberhanensis Niedbała, 2022 (Page: 2159) – TYPES: HT - DATE

Euscheloribates guitingensis Ermilov & Corpuz-Raros, 2022 (Page: 812) – TYPES: HT♀ - SMNG, 3 PT♂ + 4 PT♀ - TSUMZ

Euscheloribates magdiwangensis Ermilov & Corpuz-Raros, 2022 (Page: 816) – TYPES: HT♂ - SMNG, PT♂ + 2 PT♀ - TSUMZ

Flagellozetes (Cosmogalumna) carinodentatus Ermilov & Salavatulin, 2022 (Page: 294) – TYPES: HT♀ + 3 PT♂ + 3 PT♀ - TSUMZ

Flagellozetes (Cosmogalumna) naredoi Ermilov & Corpuz-Raros, 2022 (Page: 2077) – TYPES: HT♀ + 2 PT♂ - TSUMZ

Flagellozetes (Cosmogalumna) pseudoareticulatus Ermilov & Salavatulin, 2022 (Page: 298) – TYPES: HT♀ + PT♂ - TSUMZ

Flagellozetes (Cosmogalumna) sibuyanensis Ermilov & Corpuz-Raros, 2022 (Page: 2080) – TYPES: HT♀ + 2 PT♂ - TSUMZ

Galumna gigantea Ermilov, Kolesnikov, Kontschán & Klimov, 2023 (Page: 471) – TYPES: HT♂ - SMNG, 2 PT♂ + 2 PT♀ - TSUMZ

Galumna montagnensis Ermilov & Frolov, 2022 (Page: 445) – TYPES: HT♂ - ZISP, PT♂ - TSUMZ

Galumna ryabinini Ermilov, 2022 (Page: 1735) – TYPES: HT♀ + PT♀ - TSUMZ

Graptoppia granadaensis S. Seniczak & A. Seniczak, 2023 (Page: 91) – TYPES: HT♀ + 5 PT♀ - ZMUB

Graptoppia trapezoides Ermilov, 2023 (Page: 745) – TYPES: HT♂ + PT♂ + PT♀ - TSUMZ

Gymnobodes paraminimus Ermilov & Yurtaev, 2023 (Page: 85) – TYPES: HT♀ - SMNG, 6 PT♀ - TSUMZ

Hermannobates magnus Ermilov, Subias, Shtanchaeva & Friedrich, 2023 (Page: 141) – TYPES: HT♀ - MUSM, 4 PT♀ - TSUMZ

Iranotrichus crassisetosus Akrami & Coetzee, 2022 (Page: 2337) – TYPES: HT♀ + PT♂ + PT♀ - DPPSU

Joshuella elegantula Ryabinin, 2022 (Page: 232) – TYPES: HT♀ + 7 PT♀ - SEVIN

Lagenobates fossatus Ermilov & Kontschán, 2023 (Page: 775) – TYPES: HT♀ - SMNG, 3 PT♀ - TSUMZ

Lepidacarus maafushiensis Bayartogtokh, Ermilov & Joharchi, 2022 (Page: 9) – TYPES: HT - SMNG, 6 PT - TSUMZ

Lohmannia maldivesensis Ermilov & Joharchi, 2022 (Page: 46) – TYPES: HT - SMNG, 2 PT♀ - TSUMZ

Lucoppia ankaratraensis Ermilov & Frolov, 2022 (Page: 804) – TYPES: HT♂ - ZISP, PT♂ + 6 PT♀ - TSUMZ

Makaroviella exigua Ermilov, 2023 (Page: 853) – TYPES: HT♀ + 6 PT♂ + 3 PT♀ - TSUMZ

Masthermannia varisetiger Liu & Chen, 2023 (Page: 526) – TYPES: HT♀ + PT♂ + 7 PT♀ - IZAS

Megalotocepheus (Archegotocepheus) octocapillus Zheng & Chen, 2022 (Page: 2285) – TYPES: HT♀ - IZAS

Metabelba (Pateribelba) abkhasica Kolesnikov & Miko, 2022 (Page: 541) – TYPES: HT♀ + PT♀ - ZISP

Metabelba (Pateribelba) stepposa Kolesnikov & Miko, 2022 (Page: 543) – TYPES: HT♀ + PT♀ - ZISP

Metabelba pseudoflagelliseta Kolesnikov & Murvanidze, 2023 (Page: 344) – TYPES: HT♂ + 2 PT♀ + PT♂ - AUG, PT♀ - ZISP

Muliercula altimontana Ermilov & Rybalov, 2023 (Page: 160) – TYPES: HT♂ + 3 PT - SMNG, 23 PT - TSUMZ

Muliercula curvilineata Ermilov & Kontschán, 2023 (Page: 778) – TYPES: HT♀ - SMNG, 2 PT♂ + PT♀ - TSUMZ

Neoribates klarneri Ermilov, Sandmann & Scheu, 2023 (Page: 1047) – TYPES: HT♂ - BRIN, PT♀ - TSUMZ

Nodocepheus luxtoni Colloff, 2022 (Page: 45) – TYPES: HT + PT - ANIC

Orbiculobates bicornutus Ermilov, 2023 (Page: 394) – TYPES: HT♀ + 4 PT♂ + 3PT♀ - TSUMZ

Oribatula wangae Liu & Chen, 2023 (Page: 529) – TYPES: HT♀ + 3 PT♂ + 6 PT♀ - IZAS

Oromurcia magadanensis Ermilov, Makarova & Behan-Pelletier, 2022 (Page: 32) – TYPES: HT♀ + 2 PT - SMNG, 16 PT - TSUMZ

Pachygena annae Ermilov, Subias, Shtanchaeva, Friedrich & Kontschán, 2022 (Page: 473) – TYPES: HT♀ - MUSM, 4 PT♂ - TSUMZ

Paedolohmannia metzi Norton & Ermilov, 2022 (*Page*: 1032) – TYPES: HT + 4 PT - USNM, 5 PT - TSUMZ, 2 PT - CNC, PT - RNC

Paralycus daeira Kolesnikov, OConnor, Ermilov & Klimov, 2023 (Page: 6) – TYPES: HT♀ + PT ♀ - UMMZ

Paralycus persephone Kolesnikov, OConnor, Ermilov & Klimov, 2023 (Page: 17) – TYPES: HT♀ + PT ♀ - UMMZ

Paralycus pricei Kolesnikov, OConnor, Ermilov & Klimov, 2023 (Page: 22) – TYPES: HT♀ - UMMZ

Parapyroppia changbaiensis Zhang, Wu & Liu, 2023 (Page: 960) – TYPES: HT♀ + 2 PT♂ - NIGA

Pergalumna ambrensis Ermilov & Frolov, 2022 (Page: 444) – TYPES: HT♀ - ZISP, 2 PT♂ - TSUMZ

Pergalumna cienfuegosensis Ermilov, Kolesnikov, Kontschán & Klimov, 2023 (Page: 466) – TYPES: HT♂ - SMNG, 5 PT♂ + 3 PT♀ - TSUMZ

Pergalumna foveolatostriata Ermilov, Kolesnikov, Kontschán & Klimov, 2023 (Page: 469) – TYPES: HT♂ - SMNG, 2 PT♂ - TSUMZ

Pergalumna rooensis Ermilov, 2023 (Page: 378) – TYPES: HT♂ - SMNG, 4 PT♂ + 4 PT♀ - TSUMZ

Phthiracarus alienus Niedbała, 2022 (Page: 1569) – TYPES: HT - DATE

Phthiracarus paraferrugineus Niedbała, 2022 (Page: 2088) – TYPES: HT + PT - AMU

Phthiracarus paralentulus Niedbała, 2022 (Page: 2462) – TYPES: HT + PT - DATE

Phylloribatula latiseta Ermilov & Salavatulin, 2023 (Page: 238) – TYPES: HT♂ - SMNG, 3 PT♂ + 6 PT♀ - TSUMZ

Pilogalumna ayildizi Seniczak & Seniczak, 2023 (Page: 717) – TYPES: HT♀ + 2 PT♂ + 3 PT♀ - ZMUB

Plateremaeus sedovi Ermilov & Yurtaev, 2023 (Page: 399) – TYPES: HT♀ - SMNG, 4 PT♀ + 4 PT♀ - TSUMZ

Plonaphacarus nanchangensis Liu, Zhang, Zou & Zou, 2022 (Page: 1725) – TYPES: HT + PT - NIGA

Protophtiracarus afthonos Niedbała, 2023 (Page: 2) – TYPES: HT + PT - DATE

Pseudotocepheus cattienensis Ermilov & Salavatulin, 2023 (Page: 244) – TYPES: HT♀ + PT♂ + PT♀ - TSUMZ

Pulchroppia marianae Ermilov, Sandmann & Scheu, 2023 (Page: 730) – TYPES: HT♀ - BRIN, 3 PT♂ + PT♀ - TSUMZ

Pulchroppia richterae Ermilov, Sandmann & Scheu, 2023 (Page: 726) – TYPES: HT♀ - BRIN, 2 PT♂ + 2 PT♀ - TSUMZ

Sacculella yarra Colloff, 2022 (Page: 41) – TYPES: HT + PT - ANIC

Scapheremaeus marati Ermilov & Salavatulin, 2023 (Page: 1406) – TYPES: HT♀ - SMNG, 4 PT♀ - TSUMZ

Scapheremaeus globulus Ermilov & Salavatulin, 2023 (Page: 1410) – TYPES: HT♂ - SMNG, PT♂ + PT♀ - TSUMZ

Scapheremaeus marati Ermilov & Salavatulin, 2022 (Page: 2371) – TYPES: HT♀ - SMNG, 26 PT♂ + 9 PT♀ - TSUMZ

Schalleria (Paraschalleria) engelbrechti Ermilov, 2023 (Page: 697) – TYPES: HT♂ + 2 PT♂ - TSUMZ

Scheloribates (Perscheloribates) mexicoensis Ermilov & Kontschán, 2023 (Page: 1111) – TYPES: HT♀ - SMNG, 2 PT♂ + 3 PT♀ - TSUMZ

Scheloribates (Perscheloribates) oromiaensis Ermilov & Rybalov, 2023 (Page: 2) – TYPES: HT♂ + 3 PT - SMNG, 53 PT - TSUMZ

Scheloribates (Topobates) tibetensis Xu & Chen, 2023 (Page: 1033) – TYPES: HT♂ + 12 PT♂ + 10 PT♀ - IZAS

Scheloribates arsizonensis Ermilov & Rybalov, 2023 (Page: 124) – TYPES: HT♀ + 2 PT - SMNG, 41 PT - TSUMZ

Scheloribates paraflagellisetosus Ermilov & Salavatulin, 2023 (Page: 241) – TYPES: HT♂ - SMNG, 4 PT♂ + 4 PT♀ - TSUMZ

Setoxylobates palaciosvargasi Ermilov & Kontschán, 2023 (Page: 1115) – TYPES: HT♀ - SMNG, 2 PT♀ - TSUMZ

Sphaerozetes parafirthensis Ermilov, 2022 (Page: 1104) – TYPES: HT♀ - SMNG, 3 PT♂ + 7 PT♀ - TSUMZ

Suctoribates goebelae Ermilov, 2022 (Page: 581) – TYPES: HT♂ - MUSM, 6 PT♂ - TSUMZ

Suctoribates monzoni Ermilov, 2022 (Page: 583) – TYPES: HT♂ - MUSM, 3 PT♂ - TSUMZ

Symbioribates bimorphus Ermilov, Salavatulin & Kolesnikov, 2023 (Page: 558) – TYPES: HT♂ - SMNG, 10 PT♂ + 9 PT♀ - TSUMZ

Symbioribates tripartitus Ermilov, Salavatulin & Kolesnikov, 2023 (Page: 558) – TYPES: HT♀ - SMNG, 3 PT♂ + 3 PT♀ - TSUMZ

Trachyoribates insularis Ermilov, Corpuz-Raros, Naredo & Eusebio, 2022 (Page: 224) – TYPES: HT♂ - SMNG, 4 PT♂ + 8 PT♀ - TSUMZ

Tuberemaeus salavatulini Ermilov, 2023 (Page: 1346) – TYPES: HT♂ - SMNG, 6 PT♂ + 3 PT♀ - TSUMZ

Tuberemaeus bifossatus Ermilov, 2023 (Page: 1350) – TYPES: HT♂ - SMNG, PT♀ - TSUMZ

Tumerozetes roughleyi Colloff, 2022 (Page: 37) – TYPES: HT + PT - ANIC

Urubambates jakobi Ermilov, Subias, Shtanchaeva, Friedrich & Kontschán, 2022 (Page: 472) – TYPES: HT♀ - MUSM, 4 PT♂ + 7 PT♀ - TSUMZ

Zachvatkinibates svanhovdi A. Seniczak & S. Seniczak, 2023 (Page: 44) – TYPES: HT♀ - 2 PT♂ + 2 PT♀ - ZMUB

Zetorchella arsiensis Ermilov, 2022 (Page: 3) – TYPES: HT♀ - SMNG, 7 PT♂ + 4 PT♀ - TSUMZ

Zygoribatula mikhanatorum Ermilov, 2023 (Page: 74) – TYPES: HT♂ - SMNG, 3 PT♂ + 2 PT♀ - TSUMZ

New genus

Iranotrichus Akrami & Coetzee, 2022 (Page: 2335) – Typ. sp.: *Iranotrichus crassisetosus* Akrami & Coetzee, 2022

Makaroviella Ermilov, 2023 (Page: 853) – Typ. sp.: *Makaroviella exigua* Ermilov, 2023

Paedolohmannia Norton & Ermilov, 2022 (Page: 1031) – Typ. sp.: *Paedolohmannia metzi* Norton & Ermilov, 2022

Sacculella Colloff, 2022 (Page: 40) – Typ. sp.: *Sacculella yarra* Colloff, 2022

New subgenus

Afreremella (Arboreremella) Ermilov & Frolov, 2022 (Page: 800) – Typ. sp.: *Afreremella (Arboreremella) madagascarensis* Ermilov & Frolov, 2022

Amboroppia (Quintanoppia) Ermilov & Kontschán, 2023 (Page: 315) – Typ. sp.: *Amboroppia (Quintanoppia) defectofossulata* Ermilov & Kontschán, 2023

New combinations

Microppia agricola (Fujikawa, 1982) – [Ermilov & Makarova, 2023: 76]

New synonyms

Perutritia Märkel, 1964 – [Niedbała & Liu, 2023: 8] = Mesotritia Forsslund 1963

New status

Discoppia (Cylindroppia) rostroincisa Subias & Rodriguez, 1986 (Page: 765) – [Ermilov & Makarova, 2023: 765]

Epieremulus andicola (P. Balogh, 1988) – [Ermilov, Subias, Shtanchaeva & Friedrich, 2022: 2361]

Eulohmannia bifurcata Fujikawa, 2014 – [Norton & Ermilov, 2022: 1023]

ACARI
Bibliographia Acarologica

23 · 2023

ISSN 1618-8977 **www** senckenberg.de/acari