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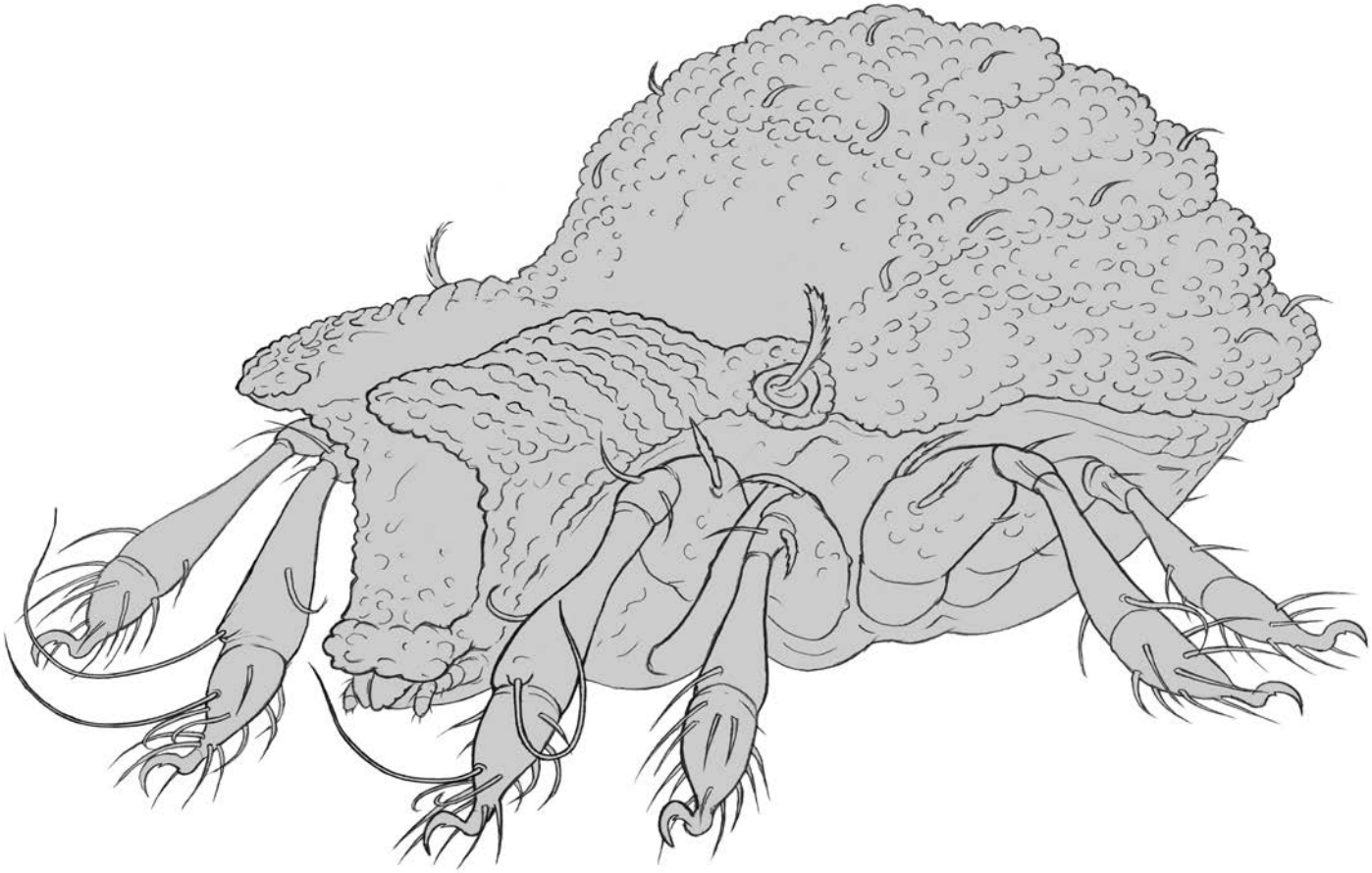

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Oribatida

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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 13,225 papers and 9,725 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 21 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 2022

Arillo, A. / Subías, L.S. / Alvarez-Parra, S. (2022): First fossil record of the oribatid family Liacaridae (Acariformes: Gustavioidea) from the lower Albian amber-bearing site of Arino (eastern Spain). - Cretaceous Res. 131: 105087; 7 pp.; DOI: 0.1016/j.cretres.2021.105087

Bayartogtokh, B. / Bae, Y.-S. (2022): New and little known species of soil mites of the family Oppiidae (Acari: Oribatida) from Korea. - Intern. J. Acarol. 48,3: 241-255

Bayartogtokh, B. / Bae, Y.-S. (2022): New findings of oribatid mites of the genera *Rhinoppia* and *Suctobelbella* (Acari: Oribatida) from Korea. - Syst. Appl. Acarol. 27,7: 1356-1387

Bayartogtokh, B. / Ermilov, S.G. / Khaustov, A.A. (2022): An interesting sexually dimorphic species,

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Chamobates callipygis Pavlichenko, 1991 (Acari, Oribatida, Chamobatidae), with remarks on sexual dimorphism in Ceratozetoidea. - Zootaxa 5115 (1): 91-102

Bolton, S.J. (2022): *Proteonematalycus wagneri* Kethley reveals where the opisthosoma begins in acariform mites. - PLoS ONE 17,2: e0264358; DOI: 10.1371/journal.pone.0264358

Brückner, A. / Barnett, A.A. / Bhat, P. / Antoshechkin, I.A. / Kitchen, S.A. (2022): Molecular evolutionary trends and biosynthesis pathways in the Oribatida revealed by the genome of *Archegozetes longisetosus*. - Acarologia 62,2: 532-573

Cordes, P.H. / Maraun, M. / Schaefer, I. (2022): Dispersal patterns of oribatid mites across habitats and seasons. - Exp. Appl. Acarol. 86,2: 173-187

Ermilov, S.G. (2022): *Pilizetes (Pilizetes) jstaryi* sp. nov. (Acari, Oribatida, Galumnidae) from Malawi, with overview of the genus. - Intern. J. Acarol. 48,3: 235-240

Ermilov, S.G. (2022): *Afroleius chistyakovi* (Acari, Oribatida, Punctoribatidae), a new oribatid mite species from Malawi. - Acarina 30,1: 3-8

Ermilov, S.G. (2022): *Luisumaoppia molinoensis* gen. nov., sp. nov. (Acari, Oribatida, Oppiidae) from Peru. - Zootaxa 5105 (1): 131-138

Ermilov, S.G. / Corpuz-Raros, L. (2022): A new species of *Galumna (Neogalumna)* (Acari, Oribatida, Galumnidae) from the Philippines. - Acarina 30,1: 9-12

Ermilov, S.G. / Corpuz-Raros, L. (2022): Taxonomic and morphological contributions to the knowledge of the oribatid mite genus *Karenella* (Acari, Oribatida, Oppiidae). - Intern. J. Acarol. 48,4-5: 359-364

Ermilov, S.G. / Khaustov, A.A. / Joharchi, O. / Döker, I. / Khaustov, V.A. (2022): A new sexually dimorphic species of the genus *Oribatella* (Acari, Oribatida, Oribatellidae) from Russia. - Acta Zool. Acad. Scient. Hung. 68,1: 73-84

Ermilov, S.G. / Makarova, O.L. / Behan-Pelletier, V.M. (2022): Taxonomy and ecology of the Arctic oribatid mite *Svalbardia lucens* comb. nov. (Acari, Oribatida, Ceratozetidae): resolving a longstanding confusion. - Syst. Appl. Acarol. 27,3: 497-510

Ermilov, S.G. / Martens, J. (2022): Contribution to the knowledge of the oribatid mite genus *Tritegeus* (Acari, Oribatida, Cepheidae), with description of a new species from Nepal. - Syst. Appl. Acarol. 27,1: 24-32

Ermilov, S.G. / Salatavulin, V.M. (2022): A new species of the genus *Epidamaeus* Bulanova-Zachvatkina, 1957 (Acari: Oribatida, Damaeidae) from Western Siberia. - Far Eastern Entomol. 450: 1-8

Ermilov, S.G. / Salavatulin, V.M. (2022): Ontogenetic instars of *Gymnodamaeus uslaminorum* sp. nov. (Acari, Oribatida, Gymnodamaeidae) from Russia. - Intern. J. Acarol. 48,2: 98-105

Ermilov, S.G. / Shtanchaeva, U.Y. / Subías, L.S. (2022): New faunistic and taxonomic data on oribatid mites (Acari, Oribatida) of Ethiopia. - Zool. Zh. 101,4: 378-385

Ermilov, S.G. / Starý, J. (2022): Two new species of *Cavernocepheus* (Acari, Oribatida, Otocepheidae) from Malawi. - Acarologia 62,2: 396-403

Ermilov, S.G. / Starý, J. (2022): *Papillocepheus banari* sp. nov. (Acari, Oribatida, Otocepheidae) from Malawi. - Ecol. Mont. 50: 17-22

Ermilov, S.G. / Starý, J. (2022): *Amboroppia bayartogtokhi* gen. n., sp. n. (Acari, Oribatida, Oppiidae, Arcoppiinae) from Bolivia. - Zool. Zh. 101,6: 616-622

Ermilov, S.G. / Starý, J. (2022): Three new species of *Pergalumna* (Acari, Oribatida, Galumnidae) from Malawi, with updated identification key to known species of the genus from the Afrotropical region. - Zootaxa 5133 (2): 226-240

Ermilov, S.G. / Starý, J. / Kontschán, J. (2022): Two new species of oribatid mites of *Leptotocepheus* (Acari, Oribatida, Otocepheidae) from Malawi. - Syst. Appl. Acarol. 27,4: 788-797

Fernandez, M.M. / Casas, C. / Bedano, J.C. / Eissenstat, D.M. / Kaye, M.W. / García, I.M. / Kun, M.E. / Garibaldi, L.A. (2022): Mite density, not diversity, declines with biomass removal in Patagonian woodlands. - Appl. Soil Ecol. 169: 104242; 10 pp.;

DOI: 10.1016/j.apsoil.2021.104242

Gümüs, N. / Eroglu, H.E. / Per, S. (2022): Karyotype analysis of two oribatid mite species (Acari: Oribatida). - Acarol. Stud. 4,1: 41-45

Kolesnikov, V.B. / Miko, L. (2022): Taxonomy of European Damaeidae X. Description of *Coronabelba unicornis* n. gen., n. sp. (Acari, Oribatida, Damaeidae) from Abkhazia, with comments on genus *Metabelba* Grandjean, 1936. - Acarologia 62,2: 340-351

Konecka, E. (2022): Fifty shades of bacterial endosymbionts and some of them still remain a mystery: *Wolbachia* and *Cardinium* in oribatid mites (Acari: Oribatida). - J. Invertebr. Path. 189: 107733; DOI: 10.1016/j.jip.2022.107733

Liao, Y.-J. / Ren, G.-R. / Yang, M.-F. (2022): Two new species of the genus *Ghilarovizetes* (Acari: Oribatida, Ceratozetidae) from China. - Acarologia 62,2: 521-531

Lienhard, A. / Krisper, G. (2022): Author Correction: Hidden biodiversity in microarthropods (Acari, Oribatida, Eremaeoidea, *Caleremaeus*). - Nature Portfolio, Scient. Repts. 12: 854, 1 p.; DOI: 10.1038/s41598-022-05214-x

Minor, M. / Behan-Pelletier, V. (2022): Professor Emeritus Roy A. Norton and his outstanding contributions to our knowledge of systematics, evolution, morphology, ecology and behaviour of Oribatida and other mites. - Syst. Appl. Acarol. 27,6: 1189-1206

Mustafa, A.N. / Ramadan, S.A. (2022): A new species of aquatic oribatid mite "*Hydrozetes crassipes* sp. n." (family Hydrozetidae) from Sohag Governorate, Egypt. - Egypt. J. Zool. 77: 29-40

Niedbała, W. / Ermilov, S.G. (2022): Additions to the ptyctimous mite fauna (Acarina, Oribatida) of Nepal, with description of two new species of the family Steganacaridae. - Syst. Appl. Acarol. 27,3: 442-449

Niedbała, W. / Starý, J. (2022): New faunistical and taxonomic data on ptyctimous mites (Acari, Oribatida) of Malawi. - Syst. Appl. Acarol. 27,7: 1337-1355

Norton, R.A. / Ermilov, S.G. / Miko, L. (2022): *Kunstidamaeus arthurjacoti* sp. nov. (Oribatida, Damaeidae), first report of the genus in North America. - Syst. Appl. Acarol. 27,3: 482-496

Ochoa, R. / Cooper, B. / Bolton, S. / Mowery, J. / Di Palma, A. (2022): Preface to a special issue in memory of Gary Roy Bauchan (1954-2021). - Syst. Appl. Acarol. 27,2: 153-164

Pfingstl, T. / Hiruta, S.F. / Bardel-Kahr, I. / Obae, Y. / Shimano, S. (2022): Another mite species discovered via social media - *Ameronothrus retweet* sp. nov. (Acari, Oribatida) from Japanese coasts, exhibiting an interesting sexual dimorphism. - Intern. J. Acarol. 48,4: 348-358

Pfingstl, T. / Hiruta, S.F. / Hagino, W. / Shimano, S. (2022): Biogeography and climate related distribution of intertidal oribatid mites (Acari, Ameronothroidea) from the Japanese islands - a short review. - Edaphologia 110: 27-37

Pfingstl, T. / Kerschbaumer, M. (2022): Sexually dimorphic claws predict courtship and mating sequence in the intertidal oribatid mite *Fortuynia atlantica* (Acari, Oribatida). - Acarologia 62,3: 666-671

Pfingstl, T. / Kerschbaumer, M. (2022): Like parent, like child - ontogenetic development of claws of intertidal arthropods (Acari, Oribatida) from different ecological niches. - Arthropod Struct. Devel. 67: 101143; 9 pp.; DOI: 10.1016/j.asd.2022.101143

Pfingstl, T. / Schäffer, S. / Bardel-Kahr, I. / Baumann, J. (2022): A closer look reveals hidden diversity in the intertidal Caribbean Fortuyniidae (Acari, Oribatida). - PLoS ONE 17,6: e0268964; 22 pp.; DOI: 10.1371/journal.pone.0268964

Pfingstl, T. / Wagner, M. / Baumann, J. / Neethling, J.A. / Bardel-Kahr, I. / Hugo-Coetzee, E.A. (2022): Contrasting phylogeographic patterns of intertidal mites (Acari, Oribatida) along the South African shoreline. - Organisms Div. Evol.: 14 pp.; DOI: 10.1007/s13127-022-00557-9

Potapov, A.M. / Beaulieu, F. / Birkhofer, K. / Bluhm, S.L. / Degtyarev, M.I. / Devetter, M. et al. (2022): Feeding habits and multifunctional classification of soil-associated consumers from protists to vertebrates. - Biol. Rev., Cambridge Philosophical Soc.: 61 pp.; DOI: 10.1111/brv.12832

Revelo-Tobar, H. / Estrada-Venegas, E.G. /

Martinez, A.E. (2022): New records of oribatid mites from Mexico with description of a new species. - Zootaxa 5168 (1): 24-38

Rueda-Ramirez, D. / Carta, L. / Young, M.R. / Mowery, J. / Bauchan, G. / Ochoa, R. / Santos, J.C. / Palevsky, E. (2022): In memory of Gary Bauchan: Integrated taxonomy of soil mites in farming systems. - Syst. Appl. Acarol. 27,2: 181-208

Salazar-Fillipo, A.A. / Miko, L. (2022): Checklist of the oribatid mites (Acari: Oribatida) of the Republic of Colombia. - Zootaxa 5087 (1): 35-58

Santos, A.C. / Leite, T.R.M. / Cunha, M.S.S. / Gondim, M.G.C. / Lofego, A.C. / Ferla, N.J. / Bizarro, G.L. / Oliveira, A.R. (2022):* A rotatory funnel-shaped collector for trapping airborne mites in a glycerin-based adhesive surface. - Exp. Appl. Acarol. 86,2: 189-200

Seniczak, A. / Seniczak, S. (2022): Systematic position of *Fuscozetes setiger* (Acari: Oribatida, Ceratozetidae) in the light of ontogenetic studies. - Syst. Appl. Acarol. 27,7: 1454-1474

Seniczak, A. / Seniczak, S. (2022): Morphological ontogeny of *Platynothrus coulsoni* sp. nov. (Acari, Oribatida, Camisiidae) from Spitsbergen (Norway). - Syst. Appl. Acarol. 27,7: 1436-1453

Seniczak, S. / Kaczmarek, S. / Marquardt, T. / Falenczyk-Koziróg, K. / Seniczak, A. (2022): Morphological ontogeny of *Psammogalumna iranica* (Acari, Oribatida, Galumnidae). - Syst. Appl. Acarol. 27,3: 600-618

Seniczak, S. / Seniczak, A. / Kaczmarek, S. (2022): Morphological ontogeny and ecology of *Platynothrus punctatus* (Acari, Oribatida, Camisiidae), with comments on *Platynothrus* Berlese. - Syst. Appl. Acarol. 27,3: 551-580

Subías, L.S. (2022): Listado sistemático, sinonímico y biogeográfico de los ácaros oribátidos (Acariformes: Oribatida) del mundo (excepto fósiles) (17a actualisación). (Originally publ. in Graellsia, 60 (número extraordinario): 3-305 (2004), actualized in March 2021). - http://bba.bioucm.es/cont/docs/RO_1.pdf: 537 pp.

Subías, L.S. / Shtanchaeva, U. (2022): Nuevas e interesantes citas de ácaros oribátidos (Acari, Oribatida) neárticos. - Bol. Asoc. Esp. Ent. 46,1-2: 12 pp

Vorontsov, V. / Voronezhskaya, E.E. (2022): Pushing the limits of optical resolution in the study of the tiniest fossil arthropods. - Hist. Biol. : 9 pp.; DOI: 10.1080/08912963.2021.2017920

Xu, G. / Lu, H. / Zhang, J. / Shi, L. / Yu, S. / Chen, J. / Mo, L. / Wu, Z. / Fu, S. (2022): Unexpected reduction of soil mesofauna under canopy N deposition in a subtropical forest. - For. Ecol. Manag. 504: 119738; 7 pp.; DOI: 10.1016/j.foreco.2021.119738

Zhou, Y.Y. / Wie, Q. / Xiao, N. / Huang, J. / Gong, T. / Fei, Y.F. / Shi, Z. / Chen, H. (2022): Characteristics of soil mites communities structure under vegetation vertical gradient in the Shibing World Natural Heritage Property, China. - Forests 13,4: 598; 20 pp.; DOI: 10.3390/f13040598

Publications 2021

Akrami, M.A. (2021): A new oribatid mite of the genus *Pilogalumna* Grandjean (Acari: Oribatida, Galumnidae) from northeastern Iran, with updated identification key to known species of the genus. - Syst. Appl. Acarol. 26,11: 2133-2144

Archetti, M. (2021):* Evidence from automixis with inverted meiosis for the maintenance of sex by loss of complementation. - J. Evol. Biol. 35,1: 40-50

Arroyo, J. / Kenny, J. / Bolger, T. (2021): Chemical fogging and sampling using climbers provide complimentary information on species composition and biodiversity of mite assemblages in forest canopies. - Biol. & Environ.: Proc. Roy. Irish Acad. 121,3: 175-189

Barendregt, R.W. / Matthews Jr., J.V. / Behan-Pelletier, V. / Brigham-Grette, J. / Fyles, J.G. / Ovenden, L.E. et al.(2021):* Biostratigraphy, age, and the paleoenvironment of the Pliocene Beaufort Formation on Meighen Island, Canadian Arctic Archipelago. - The Geological Soc. Amer., Spec. Pap. 551: 1-39

Barreto, C. / Branfireun, B.A. / McLaughlin, J.M. / Lindo, Z. (2021):* Responses of oribatid mites to warming in boreal peatlands depend on fen type. - Pedobiologia 89: 150772; 8 pp.; DOI: 10.1016/j.pedobi.2021.150772

Bayartogtokh, B. / Ermilov, S.G. / Shtanchaeva, U.Y. / Subías, L.S. (2021): Ontogenetic instars of *Melanozetes paramollicomus* sp. nov., with remarks on morphological ontogeny of Sphaerozetinae (Ac.: Oribatida, Ceratozetidae). In: Fuangarworn, M. / Zhang, Z.-Q. / Katlav, A. (Eds.), Ontogeny and morphological diversity in immature mites (Part V). - Zootaxa 5086 (1): 69-89

Bayartogtokh, B. / Ermilov, S.G. / Shtanchaeva, U.Y. / Subías, L.S. (2021): Ontogenetic instars of *Hermannia longisetosa* Subías & Shtanchaeva, 2013, with remarks on juveniles of Hermanniidae (Acari: Oribatida). In: Fuangarworn, M. / Zhang, Z.-Q. / Katlav, A. (Eds.), Ontogeny and morphological diversity in immature mites (Part V). - Zootaxa 5086 (1): 49-68

Bolland, A. / Kern, O.A. / Allstädt, F.J. / Peteet, D. / Koutsodendris, A. / Pross, J. / Heir, O. (2021): Summer temperatures during the last glaciation (MIS 5c to MIS 3) inferred from a 50,000-year chironomid record from Füramoos, southern Germany. - Quat. Sci. Rev. 264: 107008; 15 pp.; DOI: 10.1016/j.quascirev.2021.107008

Brandt, A. / Tran Van, P. / Bluhm, C. / Anselmetti, Y. / Dumas, Z. / Figuet, E. / Francois, C.M. / Galtier, N. et al. (2021): Haplotype divergence supports long-term asexuality in the oribatid mite *Oppiella nova*. - PNAS 118,38: e2101485118; 10pp.; DOI: 10.1073/pnas.210148511; DOI: 10.1073/pnas.2101485118

Danra, D.D. / Koehler, H. / Nukenine, E.N. (2021): Assessing a ReviTec measure to combat soil degradation by studying Acari and Collembola from Ngaoundéré, Adamawa, Cameroon. - Soil Organisms 93,3: 161-180

Doblas-Miranda, E. / Pino, J. / Espelta, J.M (2021): Connectivity affects species turnover in soil microarthropod communities during Mediterranean forest establishment. - Ecosphere 12,12: e03865; 13 pp.; DOI: 10.1002/ecs2.3865

Ermilov, S.G. (2021): Contribution to the knowledge of *Mainothrus* (Acari, Oribatida, Trhypochthoniidae), with description of two new species from Russia and Brunei. - Syst. Appl. Acarol. 26,11: 2059-2069

Ermilov, S.G. (2021): Redescription of *Eremobelba gracilior* Berlese, 1908 (Acari, Oribatida, Eremobelbidae). - Acarina 29,2: 147-153

Ermilov, S.G. / Bakowski, M. (2021): New faunistical and taxonomic data on oribatid mites (Acari, Oribatida) from the Afrotropical region. - Acarina 29,2: 135-140

Ermilov, S.G. / Bakowski, M. (2021): Two new species of Galumnidae (Acari, Oribatida) from Mozambique. - Acta Zool. Acad. Scient. Hung. 67,3: 199-210

Ermilov, S.G. / Hugo-Coetzee, E.A. / Khaustov, A.A. (2021): Contribution to the knowledge of *Geminoppia* (Acari, Oribatida, Oppiidae) with description of a new species from South Africa. - Acta Zool. Acad. Scient. Hung. 67,3: 211-222

Ermilov, S.G. / Khaustov, A.A. (2021): Some faunistical and taxonomic data on oribatid mites (Acari, Oribatida) from the vicinity of Lake Sivash (North Crimea). - Intern. J. Acarol. 47,7: 603-609

Ermilov, S.G. / Khaustov, A.A. / Joharchi, O. / Döker, I. / Khaustov, V.A. (2021): New faunistical and taxonomic data on oribatid mites (Acari, Oribatida) from Altai Mountains, Russia. - Intern. J. Acarol. 47,8: 701-707

Ermilov, S.G. / Makarova, O.L. (2021): Contribution to the knowledge of the oribatid mite genus *Scutozetes* (Acari, Oribatida, Tegoribatidae), with description of a new species from the Russian Arctic. - Intern. J. Acarol. 47,6: 500-509

Ermilov, S.G. / Martens, J. (2021): A new genus and two new species of Galumnidae (Acari, Oribatida) from Nepal. - Zootaxa 5039 (2): 277-290

Ermilov, S.G. / Martens, J. (2021): New faunistic and taxonomic data on oribatid mites of Nepal. - Spixiana 44,2: 229-236

Ermilov, S.G. / Martens, J. (2021): Contribution to the knowledge of the oribatid mite genus *Leobodes* (Acari, Oribatida, Nippobodidae). - Acarologia 61,4: 995-1014

Ermilov, S.G. / Martens, J. / Kontschán, J. (2021): A new species of *Lasiobelba* from Nepal, with overview of the genus (Acari, Oribatida, Oppiidae). - Spixiana 44,2: 219-228

Ermilov, S.G. / Shtanchaeva, U.Y. / Subías, L.S. (2021): Two new species of oribatid mites (Acari, Oribatida) of the superfamily Achipterioidea Thor

1929 from tropical forests of Cuba. - Zool. Zh. 100,10: 1092-1099

Ermilov, S.G. / Starý (2021): Two new species of oribatid mites of the genus *Xenillus* (Acari, Oribatida, Liacaridae) from Bolivia. - Acta Zool. Acad. Scient. Hung. 67,4: 301-311

Ermilov, S.G. / Subías, L.S. / Shtanchaeva, U.Y. (2021): New species of *Oribatella* (Acari, Oribatida, Oribatellidae) from Peru. - Syst. Appl. Acarol. 26,11: 2085-2095

Ermilov, S.G. / Subías, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2021): New sacculonotic Oripodoidea (Acari: Oribatida) from Peru. - Zootaxa 5048 (3): 422-434

Ermilov, S.G. / Subías, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2021): Contribution to the knowledge of the oribatid mite genus *Cultrobates* (Acari, Oribatida, Ceratokalummidae), with description of a new species from Peru. - Syst. Appl. Acarol. 26,12: 2408-2416

Ermilov, S.G. / Subías, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2021): New species of oribatid mites of the family Galumnidae (Acari, Oribatida) from Peru. - Syst. Appl. Acarol. 26,9: 1653-1664

Ermilov, S.G. / Subías, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2021): *Calozetes schatzi* sp. nov. from Peru, with overview of the genus (Acari, Oribatida, Microzetidae). - Spixiana 44,2: 237-242

Ermilov, S.G. / Subías, L.S. / Shtanchaeva, U.Y. / Friedrich, S. (2021): Contribution to the knowledge of the oribatid mite genus *Gittella* (Acari, Oribatida, Oppiidae), with description of a new species from Peru. - Acarologia 61,4: 1015-1022

Fuangarworn, M. / Zhang, Z.-Q. / Katlav, A. (Eds.) (2021): Ontogeny and morphological diversity in immature mites (Part V). - Zootaxa 5086 (1): 1-173

Garbuz, S. / Mackay, A. / Camps-Arbestain, M. / DeVantier, B. / Minor, M. (2021): Biochar amendment improves soil physico-chemical properties and alters root biomass and the soil food web in grazed pastures. - Agric. Ecosyst. Environ. 319: 107517, 10 pp.; DOI: 10.1016/j.agee.2021.107517

Gduła, A.K. / Konwerski, S. / Olejniczak, I. / Rutkowski, T. / Skubała, P. / Zawieja, B. / Gwiazdowicz, D.J. (2021): The role of bracket fungi in creating alpha diversity of invertebrates in the Bialowieza National Park, Poland. - Ecol. Evol. 11: 6456-6470

Gwiazdowicz, D.J. (2021): Biodiversity of mites. - Diversity 13: 80; 4 pp.; DOI: 10.3390/d13020080

Heo, C.C. / Teel, P.D. / O Connor, B.M. / Tomberlin, J.K. (2021): Acari community in association with delayed pig carrion decomposition. - Exp. Appl. Acarol. 85,2-4: 223-246

Huang, M. / Zhang, S. / Liu, D. (2021): Contribution to the knowledge of the oribatid mite genus *Mesotritia* (Acari, Oribatida, Oribotritiidae). - Syst. Appl. Acarol. 26,11: 2078-2084

Hushtan, H.H. / Hushtan, K.V. / Glotov, S.V. (2021): Checklist of oribatid mites (Acari, Oribatida) of the Transcarpathian lowland, Ukraine. - Persian J. Acarol. 10,4: 371-402

Institut of Zoology, Schmalhausen, Kyiv (Ed.) (2021): Igor Andriivych Akimov (19.07.1937 - 07.04.2021). - Zoodiversity 55,3: 277-278

Kolesnikov, V.B. / Leonov, V.D. (2021): *Zetorchestes krisperi* sp. nov. (Acari: Oribatida, Zetorchestidae) from Vietnam, with juvenile morphology and identification key to known species of the genus. - Zootaxa 5057 (4): 545-561

Kolesnikov, V.B. / Leonov, V.D. (2021): Two new species of the genus *Flagellozetes* Balogh, 1970 (Acari: Oribatida, Galumnidae) from Vietnam. - Syst. Appl. Acarol. 26,12: 2253-2267

Legzdina, L. / Spungis, V. / Burnevica, N. / Gaitnieks, T. / Menkis, A. (2021): Invertebrates in fruitbodies of *Heterobasidion* spp., infected *Picea abies* logs and adjacent soil. - Forests 12: 1100; 12 pp.; DOI: 10.3390/f12081100

Leidinger, J. / Blaschke, M. / Ehrhardt, M. / Fischer, A. / Gossner, M.M. / Jung, K. / Kienlein, S. / K´ozak, J. / Michler, B. et al. (2021):* Shifting tree species composition affects biodiversity of multiple taxa in Central European forests. - For. Ecol. Manag. 498: 119552; 13 pp.; DOI: 10.1016/j.foreco.2021.119552

Lienhard, A. / Krisper, G. (2021): Hidden biodiversity in microarthropods (Acari, Oribatida, Eremaeoidea,

Caleremaeus). - Scient. Repts. 11: 23123; 14 pp.

Liu, C.-L. / Yan, Y. / Zhang, Z.-Q. / Xie, L.-X. (2021): Supplementary description of *Scheloribates crassus* Hammer, 1967 (Acari, Oribatida, Scheloribatidae) from New Zealand. - Syst. Appl. Acarol. 26,10: 1992-1996

Liu, D. / Huang, M. (2021): New species of the genus *Plonaphacarus* (Oribatida, Steganacaridae) from China. - Syst. Appl. Acarol. 26,8: 1518-1525

Liu, D. / Huang, M. (2021): *Oribotritia* species (Acari, Oribatida) from northeast China with descriptions of two new species and a key to Chinese species. - Syst. Appl. Acarol. 26,12: 2221-2228

Lupardus, R.C. / Battigelli, J.P. / Janz, A. / Lumley, L.M. (2021): Can soil invertebrates indicate soil biological quality on well pads reclaimed back to cultivated lands? - Soil & Tillage Res. 213: 105082, 13 pp.; DOI: 10.1016/j.still.2021.105082

Luptacik, P. / Cuchta, P. / Jaksova, P. / Miklisova, D. / Kovac, L. / Alatalo, J.M. (2021): Cushion plants act as facilitators for soil microarthropods in high alpine Sweden. - Biodivers. Cons. 30: 3243-3264

Manzo, R.M. / Manzo, L.M. / Rizzuto, S. / Valenzuela, M.F. / Martinez, P.A. (2021):* Local patterns of edaphic mesofauna distribution in the arid Patagonian steppe, Argentina. - Soil Res. 59,8: 806-818; DOI: 10.1071/SR20094

McCary, M.A. / Schmitz, O.J. (2021): Invertebrate functional traits and terrestrial nutrient cycling: Insights from a global meta-analysis. - J. Anim. Ecol. 90: 1714-1726

Melekhina, E.N. / Belykh, E.S. / Markarova, M.Y. / Taskaeva, A.A. / Rasova, E.E. / Baturina, O.A. / Kabilov M.R. / Velegzhaninov I.O. (2021): Soil microbiota and microarthropod communities in oil contaminated sites in the European Subarctic. - Scient. Rpts. 11: 19620; 16 pp.; DOI: 10.1038/s41598-021-98680-8

Meyer, S. / Kundel, D. / Birkhofer, K. / Fliessbach, A. / Scheu, S. (2021): Soil microarthropods respond differently to simulated drought in organic and conventional farming systems. - Ecol. Evol. 11: 10369-10380

Miko, L. (2021): Taxonomy of European Damaeidae IX. Contribution to the revision of the genus *Belba* von Heyden, 1826 (Acari, Oribatida). - Syst. Appl. Acarol. 26,8: 1575-1613

Morrien, E. / Hannula, E. / Snoek, B. / Helmsing, N.R. / Zweers, H. / De Hollander, M. / Luján Soto, R. (2021): Soil networks become more connected and take up more carbon as nature restoration progresses. - Nature Comm. 8: 14349; 10 pp.; DOI: 10.1038/ncomms14349

Niedbała, W. (2021):* Taxonomy of ptychoid mites (Acari, Oribatida). [Orig. Poln.] In: Przyszczypkowski, K. / Cytlak, I. (Eds.), University Community Diversity and Difference. - A. Mickiewicz Univ., Poznan: 361-367

Niedbała, W. / Błoszyk, J. / Buczkowska, K. (2021): Molecular evidence for the cladistic classification of euptyctimous moss mites (Acari, Oribatida, Euptyctima). - Syst. Appl. Acarol. 26,12: 2385-2407

Niedbała, W. / Ermilov, S.G. (2021): Additions to the ptyctimous mite fauna (Acari, Oribatida) of Taiwan. - Syst. Appl. Acarol. 26,8: 1481-1494

Niedbała, W. / Napierała, A. / Konwerski, S. / Zacharyasiewicz, M. / Błoszyk, J. (2021): Ptyctimous mites (Acari: Acariformes: Oribatida) as zooindicators of changes in Dorrigo National Park in Australia (North Coast Bioregion). - Syst. Appl. Acarol. 26,11: 2177-2189

Norton, R.A. / Ermilov, S.G. (2021): Redescriptions of North American *Epidamaeus* (Acari, Oribatida, Damaeidae) species proposed by N. Banks, H.E. Ewing, A.P. Jacot, and J.W. Wilson. - Zootaxa 5021 (1): 1-65

Ordouni, F. / Akrami, M.A. / Ramroodi, S. (2021): New species of primitive oribatid mite of the family Haplochthoniidae (Acari, Oribatida) from southeastern Iran. - Syst. Appl. Acarol. 26,11: 2109-2117

Pfingstl, T. / Hiruta, S.F. / Hagino, W. / Shimano, S. (2021): Juvenile morphology of seven intertidal mite species (Acari, Oribatida, Ameronothroidea) from the East Asian region. - Intern. J. Acarol. 47,6: 536-554

Pfingstl, T. / Schatz, H. (2021): A survey of lifespans in Oribatida excluding Astigmata (Acari). - Zoosymposia 20: 7-27

Philippov, D.A. / Ermilov, S.G. / Zaytseva, V.L. / Pestov,

S.V. / Kuzmin, E.A. / Shabalina, J.N. et al. (2021): Biodiversity of a boreal mire, including its hydrographic network (Shichengskoe mire, North-Western Russia). - Biodiver. Data J. 9: e77615; 29 pp.; DOI: 10.3897/BDJ.9.e77615

Picard, M.A.L. / Vicoso, B. / Bertrand, S. / Escriva, H. (2021): Diversity of modes of reproduction and sex determination systems in invertebrates, and the putative contribution of genetic conflict. - Genes 12: 1136, 21 pp.; DOI: 10.3390/genes12081136

Pollierer, M.M. / Scheu, S. (2021): Stable isotopes of amino acids indicate that soil decomposer micro-arthropods predominantly feed on saprotrophic fungi. - Ecosphere 12,3: e03425; 15 pp.; DOI: 10.1002/ecs2.3425

Potapov, A.M. / Rozanova, O.L. / Semenina, E.E. / Leonov, V.D. / Belyakova, O.I./ Kudrin, A.A. / Malysheva, E.A. et al. (2021): Size compartmentalization of energy channeling in terrestrial belowground food webs. - Ecology 102,8: e03421; 14 pp.; DOI: 10.1002/ecy.3421

Rai, J.K. / Pickles, B.J. / Perotti, M.A. (2021): Assemblages of Acari in shallow burials: mites as markers of the burial environment, of the stage of decay and of body-cadaver regions. - Exp. Appl. Acarol. 85,2-4: 247-276

Schatz, H. / Bruckner, A. (2021): Hornmilben (Acari, Oribatida) aus dem Wildnisgebiet Dürrenstein und dem Urwald Rothwald (Österreich). - Silva Fera 8: 42-62

Schatz, H. / Fortini, L. / Fusco, T. / Casale, F. / Jacomini, C. / Di Giulio, A. (2021): Oribatid mites (Acari, Oribatida) from "Parco Naturale delle Alpi Marittime" (Piedmont, Italy). - Zootaxa 5082 (6): 501-540

Seniczak, A. / Niedbała, W. / Iturrondobeitia, C. / Seniczak, S. / Roth, S. / Jordal, B.H. (2021): Type of broadleaf forest matters most for ptyctimous mite communities (Acari, Oribatida) in Norway. - Biodivers. Cons. 30: 2929-2953; DOI: 10.1007/s10531-021-02228-1

Seniczak, A. / Seniczak, S. (2021): Morphological ontogeny of *Limnozetes schatzi* sp. nov. (Acari: Oribatida, Limnozetidae) from Norway. - Syst. Appl. Acarol. 26,10: 1974-1991

Seniczak, A. / Seniczak, S. / Graczyk, R. / Kaczmarek, S. / Jordal, B.H. / Kowalski, J. / Djursvoll, P. / Roth, S. / Bolger, T.A. (2021): A forest pool as a habitat island for mites in a limestone forest in Southern Norway. - Diversity 13: 578; 15 pp.; DOI: 10.3390/d13110578

Seniczak, A. / Seniczak, S. / Starý, J. / Kaczmarek, S. / Jordal, B.H. / Kowalski, J. / Roth, S. / Djursvoll, P. / Bolger, T. (2021): High diversity of mites (Acari: Oribatida, Mesostigmata) supports the high conservation value of a broadleaf forest in Eastern Norway. - Forests 12: 1098; 20 pp.; DOI: 10.3390/f12081098

Seniczak, S. / Ivan, O. / Marquardt, T. / Seniczak, A. (2021): Morphological ontogeny of *Perlohmannia nasuta* (Acari, Oribatida, Perlohmanniidae), with comments on *Perlohmannia* Berlese. In: Fuangarworn, M. / Zhang, Z.-Q. / Katlav, A. (Eds.), Ontogeny and morphological diversity in immature mites (Part V). - Zootaxa 5086 (1): 29-48

Seniczak, S. / Ivan, O. / Marquardt, T. / Seniczak, A. (2021): Morphological ontogeny of *Oribatella similesuperbula* (Acari: Oribatida, Oribatellidae). In: Fuangarworn, M. / Zhang, Z.-Q. / Katlav, A. (Eds.), Ontogeny and morphological diversity in immature mites (Part V). - Zootaxa 5086 (1): 90-110

Seniczak, S. / Seniczak, A. (2021): Morphological ontogeny and ecology of *Ceratozetes parvulus* (Acari: Oribatida, Ceratozetidae). In: Fuangarworn, M. / Zhang, Z.-Q. / Katlav, A. (Eds.), Ontogeny and morphological diversity in immature mites (Part V). - Zootaxa 5086 (1): 111-134

Sokolov, S.G. / Stolbov, V. / Kazakov, D. / Zhukova, K.A. / Ieshko, E.P. (2021): Oribatid mites (Acariformes, Sarcoptiformes: Oribatida) in the gills of *Salmo* spp. (Actinopterygii: Salmonidae) parr - Short communication. - Acta Vet. Hung. 69,4: 334-337

Subías, L.S. (2021): Adiciones al listado mundial de ácaros oribátidos (Acari, Oribatida) (16ª actualización). - Rev. Iber. Aracnol. 38: 107-108

Subías, L.S. / Ermilov, S.G. / Shtanchaeva, U.Y. / Friedrich, S. (2021): Taxonomic contribution to the knowledge of the oribatid mite genus *Protoribates* (Acari, Oribatida, Haplozetidae). - Acarina 29,2: 141-146

Subías, L.S. / Shtanchaeva, U. (2021): Contribución al conocimiento de la distribución de los ácaros

oribátidos (Acari, Oribatida) tropicales. - Rev. Iber. Aracnol. 38: 69-80

Thunes, K.H. / Soli, G.E.E. / Thuróczy, C. / Fjellberg, A. / Olberg, S. / Roth, S. / Coulianos, C.-C. / Disney R.H.L. / Starý J. / Vierbergen G. et al. (2021): The arthropod fauna of oak (*Quercus* spp., Fagaceae) canopies in Norway. - Diversity 13,332: 31 pp.; DOI: 10.3390/d13070332

Todria, N. / Murvanidze, M. / Mumladze, L. (2021):* Oribatid (Acari: Oribatida) diversity in natural and altered open arid ecosystems of South-Eastern Caucasus. - Pedobiologia 87-88: 150750 pp.; suppl. material incl.; DOI: 10.1016/j.pedobi.2021.150750

Vladimirova, N.V. / Marchenkoa, I.I. / Belanov, O.P. / Novgorodova, T.A. (2021):* Communities of soil microarthropods (Acari, Collembola) at ash dumps of a combined heat and power plant at different degrees of conservation. - Contemp. Probl. Ecol. 14,1: 79-89 published in Sibirskii Ekol. Zh. 2021(1): 101-104 [Orig. Russian]

Walter, D.E. / Lumley, L.M. (2021): Almanac of Alberta Oribatida 2021 - Part II, Version 3.0. - The Royal Alberta Museum, Edmonton, Alberta: 192 pp.

Wehner, K. / Simons, N.K. / Blüthgen, N. / Heethoff, M. (2021): Drought, windthrow and forest operations strongly affect oribatid mite communities in different microhabitats. - Global Ecol. Cons. 30: e01757; 13 pp.; DOI: 10.1016/j.gecco.2021.e01757

Young, M.R. / De Waard, J.R. / Hebert, P.D.N. (2021): DNA barcodes enable higher taxonomic assignments in the Acari. - Scient. Repts. 11: 15922; 13 pp.; DOI: 10.1038/s41598-021-95147-8

Zhang, H. / Sun, X. / Liu, D. / Wu, H. / Chen, H. (2021): Air warming and drainage influences soil microarthropod communities. - Front. Ecol. Evol. 9: 731735; 11 pp.; DOI: 10.3389/fevo.2021.731735

Zhang, Z.-Q. (2021): Ontogeny and morphological diversity in immature mites: Preface to Part V with a summary of contributions so far. In: Fuangarworn, M. / Zhang, Z.-Q. / Katlav, A. (Eds.), Ontogeny and morphological diversity in immature mites (Part V). - Zootaxa 5086 (1): 4-6

Zheng, L. / Chen, J. (2021): Two new species and new records of Otocepheidae (Acari, Oribatida) from Yunnan, Southwest China. - ZooKeys 1073: 177-199

Zhu, D. / Delgado-Baquerizo, M. / Ding, J. / Gillings, M.R. / Zhu, Y.-G. (2021): Trophic level drives the host microbiome of soil invertebrates at a continental scale. - Microbiome 9: 189; 16 pp.; DOI: 10.1186/s40168-021-01144-4

Publications, additions 2020

Barreto, C. / Lindo, Z. (2020):* Decomposition in peatlands: who are the players and what affects them? – Front. Young Minds 8,107: 1-8; DOI: 10.3389/frym.2020. 00107

Deichsel, R. (2020):* Faunistische Untersuchungen im Gebiet der „Deetzer Erdelöcher“ und Umgebung (Brandenburg, Potsdam-Mittelmark, Mittlere Havel). Teil 8. Beitrag zur Faunistik der Hornmilben (Acari, Oribatida) und Wassermilben (Acari, Hydracarina) der Mark Brandenburg - Deetzer Umland. - Veröff. Naturkundemus. Potsdam 6: 91-107

Kubota, T. (2020): Two species of *Hemileius* found from Ehime Prefecture as new records in Japan (Sarcoptiformes: Oribatida, Hemileiidae). [Orig. Jpn.] - Edaphologia 107: 9-13

Magowski, W. / Niedbała W. (2020): Dr. Ziemowit Olszanowski, Associate Professor at Adam Mickiewicz University, Poznań (1961–2019). - Ann. Zool. 70,3: 305-310

Miller, J.J. / Owen, M.L. / Battigelli, J.P. / Drury, C.F. / Chanasyk, D.S. (2020):* Short-term legacy effects of feedlot manure application on soil mesofauna. - J. Environ. Quality 49: 1730-1737

Miroslaw-Grabowska, J. / Obremska, M. / Zawisza, E. / Stanczak, J. / Slowinski, M. / Mulczyk, A. (2020):* Biological and geochemical indicators of climatic oscillations during the Last Glacial Termination, the Kaniewo palaeolake (Central Poland). - Ecol. Indic. 114: 106310; DOI: 10.1016/j.ecolind.2020.106301

Publications, additions 2019

Crotty, F.V. / Adl, S.M. (2019): Competition and predation in soil fungivorous microarthropods

using stable isotope ratio mass spectrometry. - Front. Microbiol. 10: 1274; 10 pp.; DOI: 10.3389/fmicb.2019.01274

Sanyal, A.K. (2019):* Catalogue of oribatid mites (Acari: Oribatida) of India. - Rec. Zool. Surv. India, Occ. Pap. 396: 1-147

Wie, H.B. / Gou, X.-D. / Yang, J.-Y. / Feng, Z. (2019): Fungi-plant-arthropods interactions in a new conifer wood from the uppermost Permian of China reveal complex ecological relationships and trophic networks. - Rev. Palaeobot. Palynol. 271: 104100; 14 pp.; DOI: 10.1016/j.revpalbo.2019.07.005

Publications, additions 2018

Van Vuuren, B.J. / 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:

Hydrozetes crassipes Mustafa & Ramadan, 2022 (Page: 30[1]) – TYPES: HT[2]♀ + 18 PT[2]♀ - ZDSU[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

CLM - **C**ollection **L**adislav **M**iko, Prague, Czech Republic

CNAC - **C**olección **N**acional de **AC**aros at the Instituto de Biologia, Universidad Nacional Autónoma de México, México, Mexico

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

CPT - Fundación **C**onjunto **P**aleontológico de **T**eruel-Dinópolis, Teruel, Spain

CRN - **C**ollection **R**oy A. **N**orton, Syracuse, USA

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

DPPZ - **D**epartment of **P**lant **P**rotection, College of Agricultrue, University of **Z**abol, Zabol, Iran

EGEV - Collection Dr. **E**dith **G**uadalupe **E**strada **V**enegas, Texcoco, State of Mexico, Mexico

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

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

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

NIBR - **N**ational **I**nstitute of **B**iological **R**esources, Incheon, Korea

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

NMNS - **N**ational **M**useum of **N**atural **S**ciences, Taichung, Taiwan

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

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

ZDSU - **Z**oology **D**epartment, Faculty of Science, **S**ohag **U**niversity, Sohag, Egypt

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

Afroleius chistyakovi Ermilov, 2022 (Page: 4) – TYPES: HT♀ - SMNG, 8 PT♂ + 3 PT♀ - TSUMZ

Allogalumna beateae Ermilov & Martens, 2021 (Page: 283) – TYPES: HT♀ + 2 PT - SMNG, 25 PT - TSUMZ

Allogalumna mozambiquensis Ermilov, 2021 (Page: 200) – TYPES: HT♂ - SMNG, 4 PT♂ - TSUMZ

Amboroppia bayartogtokhi Ermilov & Starý, 2022 (Page: 617) – TYPES: HT♀ - SMNG, 2 PT♀ - TSUMZ

Ameronothrus retweet Pfingstl & Shimano, 2022 (Page: 351) – TYPES: HT♀ - NMNS, 2 PT♂ + 2 PT♀ – SMNG

Anomalogalumna dungeri Ermilov & Martens, 2021 (Page: 279) – TYPES: HT♀ + 2 PT - SMNG, 21 PT - TSUMZ

Arphthicarus diversus Niedbała & Starý, 2022 (Page: 1341) – TYPES: HT + 40 PT - DATE

Arphthicarus parasculptilis Niedbała & Starý, 2022 (Page: 1343) – TYPES: HT + 14 PT - DATE

Arphthicarus quasitrichosus Niedbała & Starý, 2022 (Page: 1344) – TYPES: HT + 79 PT - DATE

Atropacarus (Hoplophorella) levidensus Niedbała & Starý, 2022 (Page: 1351) – TYPES: HT + 8 PT - DATE

Basiceramerus ovatus Zheng & Chen, 2021 (Page: 179) – TYPES: HT♂ + 2 PT♀ - IZAS

Caleremaeus alpinus Lienhard & Krisper, 2021 (Page: 5) – TYPES: HT + 11 PT - SMNG

Caleremaeus elevatus Lienhard & Krisper, 2021 (Page: 5) – TYPES: HT + 9 PT - SMNG

Caleremaeus hispanicus Lienhard & Krisper, 2021 (Page: 5) – TYPES: HT + 5 PT - SMNG

Caleremaeus lignophilus Lienhard & Krisper, 2021 (Page: 5) – TYPES: HT + 10 PT - SMNG

Caleremaeus mentobellus Lienhard & Krisper, 2021 (Page: 5) – TYPES: HT + 7 PT - SMNG

Calozetes schatzi Ermilov, Subías, Shtanchaeva & Friedrich, 2021 (Page: 238) – TYPES: HT♀ - MUSM, PT♂ - TSUMZ

Cavernocepheus (Paracavernocepheus) hlavaci Ermilov & Starý, 2022 (Page: 397) – TYPES: HT♂ + 2 PT♂ - TSUMZ

Cavernocepheus (Paracavernocepheus) mulanjensis Ermilov & Starý, 2022 (Page: 400) – TYPES: HT♂ + 2 PT♂ - TSUMZ

Coronabelba unicornis Kolesnikov & Miko, 2022 (Page: 343) – TYPES: HT♀ + PT♀ - ZISP

Cultrobates lehmanni Ermilov, Subías, Shtanchaeva & Friedrich, 2021 (Page: 2410) – TYPES: HT♀ - MUSM, 2 PT♂ - TSUMZ

Epactozetes cubaensis Ermilov, Shtanchaeva & Subías, 2021 (Page: 1093) – TYPES: HT♀ - SMNG, 4 PT♂ + 2 PT♀ - TSUMZ

Epidamaeus hexatuberculatus Ermilov & Salavatulin, 2022 (Page: 3) – TYPES: HT♀ - SMNG, PT ♂ + 2 PT♀ - TSUMZ

Eurostocepheus sinutus Zheng & Chen, 2021 (Page: 186) – TYPES: HT♀ - IZAS

Flagellozetes (Cosmogalumna) lineatus Kolesnikov & Leonov, 2021 (Page: 2259) – TYPES: HT♀ + PT♂ + PT♀ - ZISP

Flagellozetes (Cosmogalumna) sacculus Kolesnikov & Leonov, 2021 (Page: 2255) – TYPES: HT♀ + 2 PT♂ + 2 PT♀ - ZISP

Fortuynia antillea Pfingstl, Schäffer, Bardel-Kahr & Baumann, 2022 (Page: 11) – TYPES: HT♂ + PT♂ + PT♀ - SMNG

Galumna (Neogalumna) eusebioi Ermilov & Corpuz-Raros, 2022 (Page: 9) – TYPES: HT♂ + PT♂ + PT♀ - TSUMZ

Galumna (Neogalumna) moroi Ermilov, Subías, Shtanchaeva & Friedrich, 2021 (Page: 1657) – TYPES: HT♀ - MUSM, 13 PT♂ - TSUMZ, 3 PT - ZSM

Galumna (Neogalumna) sivashensis Ermilov & Khaustov, 2021 (Page: 604) – TYPES: HT♂ + 2 PT - SMNG, 9 PT - TSUMZ

Galumna panguanaensis Ermilov, Subías, Shtanchaeva & Friedrich, 2021 (Page: 1654) – TYPES: HT♀ - MUSM, PT♂ - TSUMZ

Galumna paravaria Ermilov & Martens, 2021 (Page: 232) – TYPES: HT♂ + 2 PT - SMNG, 9 PT - TSUMZ

Geminoppia amatholensis Ermilov, Hugo-Coetzee & Khaustov, 2021 (Page: 213) – TYPES: HT♂ - NMB, 3 PT♂ + 4 PT♀ - TSUMZ

Ghilarovizetes labaheensis Liao, Ren & Yang, 2022 (Page: 522) – TYPES: HT + 3 PT - GUGC

Ghilarovizetes sichuanensis Liao, Ren & Yang, 2022

(Page: 525) – TYPES: HT + 5 PT - GUGC

Gittella kontschani Ermilov, Subías, Shtanchaeva & Friedrich, 2021 (Page: 1016) – TYPES: HT♂ - MUSM, 2 PT - ZSM, 14 PT - TSUMZ

Gustavia mexicana Revelo-Tobar, Estrada-Venegas & Martinez, 2022 (Page: 28) – TYPES: HT♂ + 12 PT - EGEV, 6 PT - CNAC

Gymnodamaeus uslaminorum Ermilov & Salavatulin, 2022 (Page: 98) – TYPES: HT♂ - SMNG, 9 PT♂ - TSUMZ

Haplochthonius longiapophysus Ordouni, Akrami & Ramroodi, 2021 (Page: 2110) – TYPES: HT + PT - DPPSU, 5 PT - DPPZ

Hoplophthiracarus jochenmartensi Niedbała, 2022 (Page: 446) – TYPES: HT + 19 PT - DATE

Hydrozetes crassipes Mustafa & Ramadan, 2022 (Page: 30) – TYPES: HT♀ + 18 PT♀ - ZDSU

Karenella romblonensis Ermilov & Corpuz-Raros, 2022 (Page: 360) – TYPES: HT♀ - SMNG, 2 PT ♂ + 4 PT♀ - TSUMZ

Kunstidamaeus arthurjacoti Norton, Ermilov & Miko, 2022 (Page: 484) – TYPES: HT + 8 PT - USNM, 12 PT - TSUMZ, 8 PT - CLM, 4 PT - CNC, 8 PT - CRN

Lasiobelba sandormahunkai Ermilov, Martens & Kontschán, 2021 (Page: 220) – TYPES: HT♂ + 2 PT - SMNG, 11 PT - TSUMZ

Leptotocepheus malawiensis Ermilov, Starý & Kontschán, 2022 (Page: 789) – TYPES: HT♂ - SMNG, 7 PT♂ - TSUMZ

Leptotocepheus zombaensis Ermilov, Starý & Kontschán, 2022 (Page: 793) – TYPES: HT♂ - SMNG, 3 PT♂ - TSUMZ

Liacarus (Procorynetes) shtanchaevae Arillo & Subías, 2022 (Page: 4) – TYPES: HT - CPT

Limnozetes schatzi Seniczak & Seniczak, 2021 (Page: 1975) – TYPES: HT♀ + 5 PT♀ - ZMUB

Luisumaoppia molinoensis Ermilov, 2022 (Page: 132) – TYPES: HT♀ - MUSM, 3 PT♂ + 6 PT♀ - TSUMZ

Mainothrus davidmarshalli Ermilov, 2021 (Page: 2064) – TYPES: HT♀ + 6 PT♀ - TSUMZ

Mainothrus paratransaltaicus Ermilov, 2021 (Page: 2060) – TYPES: HT♀ + 9 PT♀ - TSUMZ

Medioxyoppia brevisetosa Bayartogtokh & Bae, 2022 (Page: 244) – TYPES: HT♀ + PT♂ + PT♀ - NIBR

Medioxyoppia claviacuminata Bayartogtokh & Bae, 2022 (Page: 248) – TYPES: HT♀ + PT♂ - NIBR

Melanozetes paramollicomus Bayartogtokh, Ermilov, Shtanchaeva & Subías, 2021 (Page: 71) – TYPES: HT♀ + 2 PT - SMNG, 2 PT - NMB, 27 PT - TSUMZ

Mesotritia baxoiensis Huang, Zhang & Liu, 2021 (Page: 2079) – TYPES: HT + 3 PT - NIGA

Mesotritia paranitida Huang, Zhang & Liu, 2021 (Page: 2081) – TYPES: HT + 2 PT - NIGA

Moritzoppia coreana Bayartogtokh & Bae, 2022 (Page: 242) – TYPES: HT♀ + PT♀ - NIBR

Neoctenogalumna gorongosaensis Ermilov, 2021 (Page: 205) – TYPES: HT♀ - SMNG, PT♂ + 3 PT♀ - TSUMZ

Neotrichoppia (Confinoppia) ulaganensis Ermilov, 2021 (Page: 703) – TYPES: HT♂ - SMNG, 2 PT♂ + PT♀ - TSUMZ

Notophthiracarus diamphidios Niedbała, 2021 (Page: 1489) – TYPES: HT + PT - DATE

Notphthicarus dissimilis Niedbała & Starý, 2022 (Page: 1346) – TYPES: HT + 11 PT - DATE

Notphthicarus insolitus Niedbała & Starý, 2022 (Page: 1348) – TYPES: HT + 9 PT - DATE

Notphthicarus paralineolatus Niedbała & Starý, 2022 (Page: 1349) – TYPES: HT + 77 PT - DATE

Oribatella altaica Ermilov, 2022 (Page: 74) – TYPES: HT♂ + 2 PT - SMNG, 21 PT - TSUMZ

Oribatella cornuta Ermilov, Subías & Shtanchaeva, 2021 (Page: 2090) – TYPES: HT♀ - MUSM, PT♀ - TSUMZ

Oribatella friedrichi Ermilov, Subías & Shtanchaeva, 2021 (Page: 2086) – TYPES: HT♂ - MUSM, PT♂ - TSUMZ

Oribotritia chiayiensis Niedbała, 2021 (Page: 1482) –

TYPES: HT - DATE

Oribotritia mordagaensis Liu & Huang, 2021 (Page: 2224) – TYPES: HT + 7 PT - NIGA

Oribotritia paragigas Liu & Huang, 2021 (Page: 2222) – TYPES: HT + 5 PT - NIGA

Papillocepheus banari Ermilov & Starý, 2022 (Page: 18) – TYPES: HT♂ - SMNG, 8 PT♂ + 9 PT♀ - TSUMZ

Parachipteria neotropica Ermilov, Shtanchaeva & Subías, 2021 (Page: 1096) – TYPES: HT♂ - SMNG, PT♂ + 4 PT♀ - TSUMZ

Peloribates elisabethae Ermilov, Subías, Shtanchaeva & Friedrich, 2021 (Page: 430) – TYPES: HT♀ - MUSM, PT♂ + 3 PT♀ - TSUMZ

Pergalumna dedzaensis Ermilov & Starý, 2022 (Page: 227) – TYPES: HT♀ - SMNG, 6 PT♀ - TSUMZ

Pergalumna neryae Ermilov, Subías, Shtanchaeva & Friedrich, 2021 (Page: 1660) – TYPES: HT♀ - MUSM, 2 PT♂ + PT♀ - TSUMZ

Pergalumna parafrater Ermilov & Starý, 2022 (Page: 234) – TYPES: HT♀ - SMNG, 9 PT♀ - TSUMZ

Pergalumna paratsavoensis Ermilov & Starý, 2022 (Page: 231) – TYPES: HT♀ - SMNG, 3 PT♀ - TSUMZ

Phthiracarus liaoi Niedbała, 2021 (Page: 1484) – TYPES: HT - DATE

Pilizetes jstaryi Ermilov, 2022 (Page: 235) – TYPES: HT♀ + 2 PT - SMNG, 13 PT - TSUMZ

Pilogalumna khorasanica Akrami, 2021 (Page: 2135) – TYPES: HT♀ +2 PT♂ + 3 PT♀ - DPPSU

Platynothrus coulsoni Seniczak & Seniczak, 2022 (Page: 1437) – TYPES: HT♀ + 5 PT♀ - ZMUB

Plonaphacarus hailingensis Niedbała, 2021 (Page: 1521) – TYPES: HT - NIGA

Plonaphacarus luxiensis Niedbała, 2021 (Page: 1519) – TYPES: HT - NIGA

Plonaphacarus othneios Niedbała, 2022 (Page: 444) – TYPES: HT + PT - DATE

Plonaphacarus paraprotrusus Niedbała, 2021 (Page: 1487) – TYPES: HT - DATE

Protoribates (Perubates) davidi Subías, Ermilov, Shtanchaeva & Friedrich, 2021 (Page: 142) – TYPES: HT♀ - MUSM, 4 PT - TSUMZ, PT - ZSM

Ramusella rybalovi Ermilov, Shtanchaeva & Subia, 2022 (Page: 380) – TYPES: HT♂ - SMNG, 3 PT♂ + PT♀ - TSUMZ

Rhinoppia properecta Bayartogtokh & Bae, 2022 (Page: 1358) – TYPES: HT♀ + 3 PT♂ + 6 PT♀ - NIBR

Scheloribates (Bischeloribates) eduardoi Ermilov, Subías, Shtanchaeva & Friedrich, 2021 (Page: 423) – TYPES: HT♀ - MUSM, 3 PT♀ - TSUMZ

Scheloribates (Hemileius) dianae Ermilov, Subías, Shtanchaeva & Friedrich, 2021 (Page: 427) – TYPES: HT♀ - MUSM, 8 PT♂ + 9 PT♀ - TSUMZ

Scutozetes arcticus Ermilov & Makarova, 2021 (Page: 501) – TYPES: HT♀ - SMNG, 5 PT♂ + 5 PT♀ - TSUMZ

Tritegeus janosbaloghi Ermilov & Martens, 2022 (Page: 26) – TYPES: HT - SMNG, 5 PT - TSUMZ

Xenillus amboroensis Ermilov & Starý, 2021 (Page: 306) – TYPES: HT♀ - MUSM, 3 PT♀ - TSUMZ

Xenillus pseudobolivianus Ermilov & Starý, 2021 (Page: 302) – TYPES: HT♂ - SMNG, PT♂ + 5 PT♀ - TSUMZ

Zetorchella ghanensis Ermilov & Bakowski, 2021 (Page: 136) – TYPES: HT♂ - SMNG, 3 PT♂ - TSUMZ

Zetorchestes krisperi Kolesnikov & Leonov, 2021 (Page: 546) – TYPES: HT♀ + PT♂ + PT(TN) - ZISP

New genera

Amboroppia Ermilov & Starý, 2022 (Page: 617) – Typ. sp.: *Amboroppia bayartogtokhi* Ermilov & Starý, 2022

Anomalogalumna Ermilov & Martens, 2021 (Page: 278) – Typ. sp.: *Anomalogalumna dungeri* Ermilov & Martens, 2021

Arboribelba Miko, 2021 (Page: 1588) – Typ. sp.: *Belba*

clavasensilla Norton & Palacios-Vargas, 1982

Coronabelba Kolesnikov & Miko, 2022 (Page: 342) – Typ. sp.: *Coronabelba unicornis* Kolesniko & Miko, 2022

Eubelba Miko, 2021 (Page: 1586) – Typ. sp.: *Belba sculpta* Mihelcic, 1957

Luisumaoppia Ermilov, 2022 (Page: 132) – Typ. sp.: *Luisumaoppia molinoensis* Ermilov, 2022

Piribelba Miko, 2021 (Page: 1583) – Typ. sp.: *Belba rossica* Bulanova-Zachvatkini, 1962

New subgenera

Protoribates (Perubates) Subías, Ermilov, Shtanchaeva & Friedrich, 2021 (Page: 142) – Typ. sp.: *Protoribates (Perubates) davidi* Subías, Ermilov, Shtanchaeva & Friedrich, 2021

New combinations

Antennoppia abchasica (Golosova & Tarba, 1974) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia capilligera (Berlese, 1916) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia chistyakovi (Ermilov & Kaluz, 2012) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia heterosa (Wallwork, 1964) – [Ermilov, Martens & Kontschán, 2021: 225]:

Antennoppia insignis (Balogh, 1970) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia izquierdoae (Arillo, Gil-Martin & Subías, 1994) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia nepalica (Ermilov, Shtanchaeva, Subías & Martens, 2014) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia parachistyakovi (Ermilov, 2016) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia quadriseta (Subías, 1989) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia rigida (Ewing, 1909) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia subnitida (Sellnick, 1924) – [Ermilov, Martens & Kontschán, 2021: 225]

Antennoppia ultraciliata (Jacot, 1934) – [Ermilov, Martens & Kontschán, 2021: 225]

Arboribelba clavasensilla (Norton & Palacios-Vargas, 1982 – [Miko, 2021: 1588]

Coronabelba platynotus (Grandjean, 1954) – [Kolesnikov & Miko, 2022: 342]

Eubelba aurata (Kulijev, 1967) – [Miko, 2021: 1586]

Eubelba bulanovae (Subías, 2016) – [Miko, 2021: 1586]

Eubelba cornuta (Wang & Norton, 1995) – [Miko, 2021: 1586]

Eubelba daghestanica (Bulanova-Zachvatkina, 1962) – [Miko, 2021: 1586]

Eubelba dubinini (Bulanova-Zachvatkina, 1962) – [Miko, 2021: 1586]

? Eubelba flagellata (Tseng, 1982) – [Miko, 2021: 1587; see remarks]

Eubelba flammeisetosa (Bulanova-Zachvatkina, 1962) – [Miko, 2021: 1586]

Eubelba heterosetosa (Bayartogtokh, 2004) – [Miko, 2021: 1586]

? Eubelba jacoti (Wilson, 1936) – [Miko, 2021: 1587; see remarks]

? Eubelba limasetosa (Bulanova-Zachvatkina, 1962) – [Miko, 2021: 1587; see remarks]

Eubelba meridionalis (Bulanova-Zachvatkina, 1962) – [Miko, 2021: 1586]

Eubelba prasadi (Bayartogtokh, 2000) – [Miko, 2021: 1586]

Eubelba sarvari (Tolstikov, 1995) – [Miko, 2021: 1586]

Eubelba sasakawai (Enami, 1989 (*Page*: 1586) – [Miko, 2021: 1586]

Eubelba sculpta (Mihelčič, 1957) – [Miko, 2021: 1586]

Eubelba tenuisetosa (Bulanova-Zachvatkina, 1962 – [Miko, 2021: 1586]

Fuscozetes setiger (Trägardh, 1910) – [Seniczak & Seniczak, 2022: 1454]

Oppia decui (Vasiliu & Ivan, 1995) – [Ermilov, Martens & Kontschán, 2021: 225]

Oppia hesperidiana (Perez-Inigo, 1986) – [Ermilov, Martens & Kontschán, 2021: 225]

Oppia pontica (Vasiliu & Ivan, 2011) – [Ermilov, Martens & Kontschán, 2021: 225]

Oppia sakhalinensis (Ryabinin & Zaitsev, 2019) – [Ermilov, Martens & Kontschán, 2021: 225]

Oppia suchetae (Sanyal, 1992) – [Ermilov, Martens & Kontschán, 2021: 225]

Piribelba crassisetosa (Bayartogtokh, 2000) – [Miko, 2021: 1584]

Piribelba piriformis (Mihelčič, 1964) – [Miko, 2021: 1584]

Piribelba rossica (Bulanova-Zachvatkini, 1962) – [Miko, 2021: 1583]

Svalbardia lucens (L. Koch, 1879) – [Ermilov, Makarova & Behan-Pelletier, 2022: 502]

? Tokukobelba pulchra (Mihelčič, 1964) – [Miko, 2021: 1585; see remarks]

New synonymes

Damaeus (Epidamaeus) canadensis (Banks, 1909) – [Norton & Ermilov, 2021: 16]
= Epidamaeus michaeli (Ewing, 1909):

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