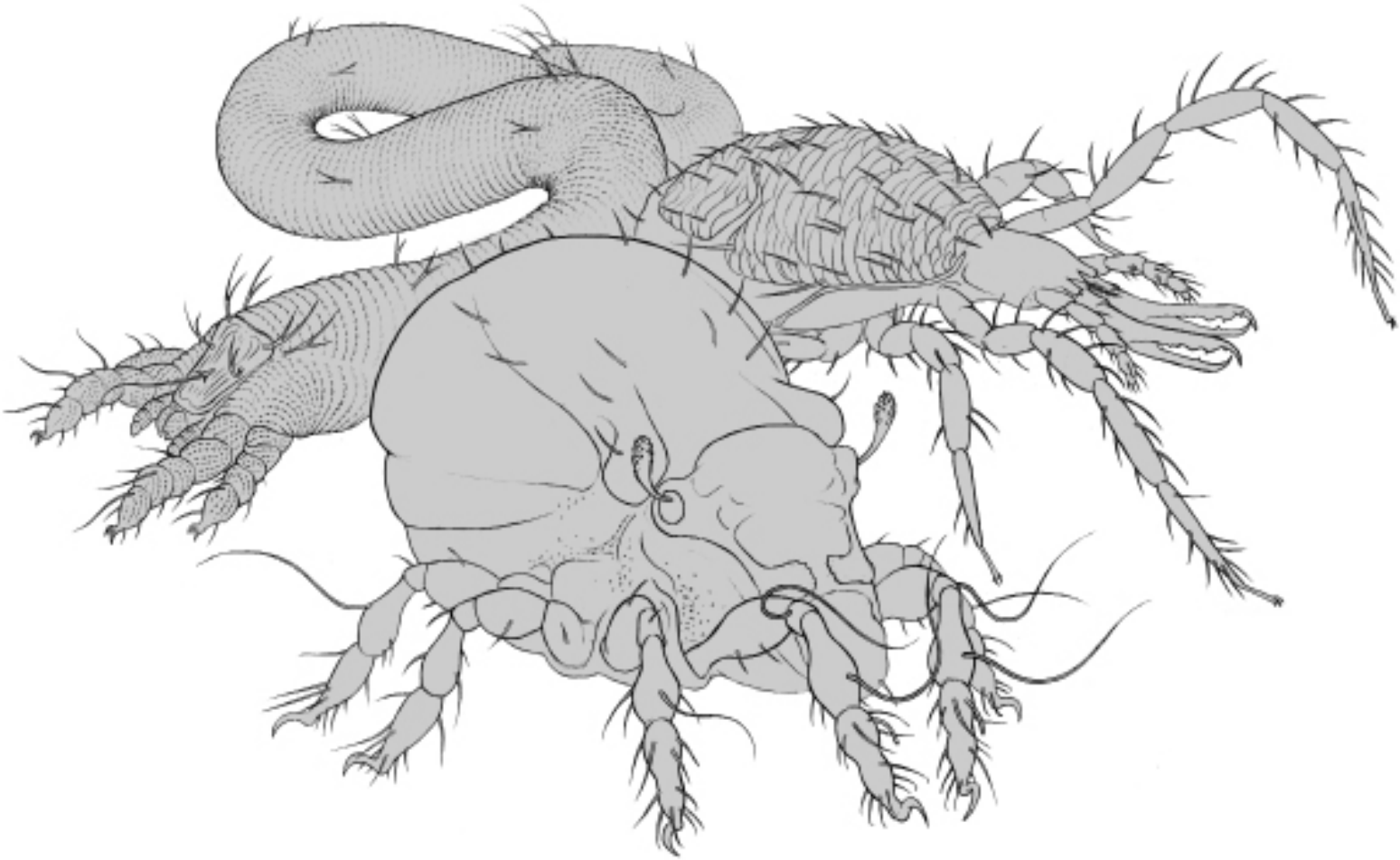
SENCKENBERG

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

Mesostigmata No. 34

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

In the bibliography, the latest works on mesostigmatic mites as far as they have come to our knowledge are published. The present volume includes 300 titles. In these publications, 131 new species and genera are described. The majority of articles concern ecology (48 %), taxonomy (25 %), faunistics (10 %), biology (9 %) and the bee-mite Varroa (6 %). Please inform us if we have failed to list all your publications in the Bibliographia.

The database on mesostigmatic mites already contains 18,779 papers and 18,269 taxa. Every scientist who sends keywords for literature researches can receive a list of literature or taxa. Please help us keep the database as complete as possible by sending us pdf files, reprints or copies of all your papers on mesostigmatic mites, or, if this is not possible, complete references. The Bibliographia Mesostigmatologica of number 1 to 11 and the issues 1 to 23 of ACARI can be downloaded free of charge. **http://www.senckenberg.de/Acari**

We are endeavouring to expand the reference collections on mites and are 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 is also possible. 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

Abo-Shnaf, R. / Castilho, R.C. / Marticorena, J.L.M. (2023): A new genus and three new species of mites, with a revised concept of the family Ameroseiidae (Acari: Mesostigmata: Ascoidea). - Zootaxa 5231 (3): 249-272

Abo-Shnaf, R. / Elhalawany, A.S. / Negm, M.W. / Sanad, A.S. (2023): Prof. M.A. Zaher: one of the most important pioneers of acarology in Egypt. - Acarologia 63,2: 373-382

Afshari-Nejad, N. / Hajiqanbar, H. / Fathipour, Y. (2023): The effect of seven pollens on life table parameters of *Neoseiulus cucumeris* (Acari, Phytoseiidae). - Syst. Appl. Acarol. 28,1: 1-10

Alimi, D. / Hajri, A. / Jallouli, S. / Sebai, H. (2023):* Study on in vitro acaricidal proprieties of *Pinus sylvestris* against two ectoparasites of veterinary importance *Dermanyssus gallinae* and *Hyalomma scupense*. - Waste Biomass Valorization; DOI: 10.1007 /s12649-023-02167-8

Almecija, G. / Schimmerling, M. / Del Cont, A. / Poirot, B. / Duquesne, V. (2023): *Varroa destructor* resistance to tau-fluvalinate: relationship between in

vitro phenotypic test and VGSC L925V mutation. - Pest Manag. Sci. 78,12: 5097-5105

Araújo, I.F. / Oliveira, A.R. / De Moraes, G.J. / Gondim, M.G.C. (2023): Description of the second species of *Serraseius* (Acari: Mesostigmata, Phytoseiidae) and adjustments of the concept of the genus. - Acarologia 63,2: 522-528

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

Ata, M.M.I. / El-Shahawy, G.Z. / Fawzy, M.H. / Abdel-Baki, A.-A.S. / Al-Quraishy, S. / Hassan, A.O. / Abdel-Tawad, H. (2023): Bioefficacy of essential oils emulsion and predatory mite, *Euseius scutalis* (Athias-Henriot) (Acari: Phytoseiidae) for the management of citrus brown mite, *Eutetranychus orientalis* (Klein) (Acari: Tetranychidae). - J. King Saud Univ. - Science 35,2: 102471; 7 pp.; DOI: 10.1016/j. jksus.2022.102471

Bandyopadhyay, P. / Karmakar, K. / Halliday, B. (2023): Checklist of Indian mites in the family Laelapidae (Acari: Mesostigmata). - Zootaxa 5249 (4): 401-424

Barroso, G. / Godoy, L.L. / Lost, F.H. / Yamada, M. / Santana, E.D.R. / Pazini, J.D. / Oliveira, L.V.D. / Yamamoto, P.T. (2023): Predator-unfriendly pesticides harm the beneficial mite *Neoseiulus idaeus* Denmark & Muma (Acari, Phytoseiidae). - Agronomy 13,4: 1061; 17 pp.; DOI: 10.3390/agronomy13041061

Biswas, S. / Karmakar, K. (2023): Descriptions of five new species of phytoseiid mites (Acari: Mesostigmata) from Andaman and Nicobar Islands. - Intern. J. Acarol. 49,1: 34-48

Błoszyk, J. / Kulczak, M. / Napierała, A. (2023): The pleistocene glaciations as one of the major factors having impact on the current range of occurrence and species diversity of mites from the suborder Uropodina (Acari: Mesostigmata) in Poland. - Diversity 15,3: 355; 22 pp.; DOI: 10.3390 /d15030355

Błoszyk, J. / Napierała, A. / Kulczak, M. / Zacharyasiewicz, M. (2023): Geographical differentiation of mites from the suborder Uropodina (Acari: Mesostigmata) in dead wood in Europe in the light of recent research. - Diversity 15,5: 646; 20 pp.; DOI: 10.3390/d15050646

Borges, V. / De Moraes, G.J. / De Campos Castilho, R. (2023): A new record of an *Arrenoseius* Wainstein species and a new species of *Chelaseius* Muma & Denmark (Mesostigmata, Phytoseiidae) from Brazil. - Acarologia 63,2: 411-418

Cai, Q. / Wang, Z. / Yang, F. / Zhang, B. / Wang, E. / Lv, J. / Xu, X. (2023):* Expression and functional analysis of transformer-2 in *Phytoseiulus persimilis* and other genes potentially participating in reproductive regulation. - Exp. Appl. Acarol. 89,3-4: 345-362

Calugar, A. / Stathakis, T. / Papadoulis, G.T. (2023): Predatory mites of the family Phytoseiidae (Acari: Mesostigmata) in Danube Delta Biosphere Reserve (Romania). - Acarologia 63,1: 58-66

Calvet, E.C. / Da Silva, V.B. / Melo, J.W.S. / Gondim, M.G.C. / Lima, D.B. (2023): Effect of cues from *Amblyseius largoensis* (Muma) on the oviposition behavior of *Raoiella indica* Hirst. - Syst. Appl. Acarol. 28,3: 630-640

Da Silva, R.T.L. / Berté, A.L.W. / Bizarro, G.L. / Schussler, M. / Silva, D.E. / Granich, J. / Ferla, N.J. (2023): Mites associated with *Vitis labrusca* (Vitaceae) in southern Brazil: Population dynamics and ecology. - Syst. Appl. Acarol. 28,6: 985-994

Dayoub, A.M. / Boubou, A. (2023): New records of phytoseiid mites (Acari, Phytoseiidae) on solanaceous plants in the Syrian coastal region. - Acarologia 63,3: 744-750

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

De Camargo Barbosa, M.F. / Demite, P.R. (2023): A new species of *Arrenoseius* Wainstein (Mesostigmata, Phytoseiidae) from Brazil, with a world key to the genus. - Intern. J. Acarol. 49,1: 49-53

Demard, E.P. / Qureshi, J.A. (2023):* Prey suitability and life table analysis of *Amblyseius swirskii* and *Amblyseius aerialis* (Parasitiformes, Phytoseiidae) on *Panonychus citri* (Acariformes, Tetranychidae) and Phyllocoptruta

oleivora (Acariformes, Eriophyidae). - Biol. Contr. 182: 105232; DOI: 10.1016 /j.biocontrol.2023.105232

Devasia, J. / Ramani, N. (2023): Predator potential and prey stage preference of *Neoseiulus longispinosus* (Acari, Phytoseiidae) to life stages of *Tetranychus urticae* and *T. macfarlanei* (Acari, Tetranychidae). - Acarologia 63,3: 658-664

Döker, I. / Demard, E.P. / Bolton, S.J. / Qureshi, J.A. (2023): Description of *Neoseiulus hexaporus* sp. nov. and a redescription of *Neoseiulus mumai* (Acari: Mesostigmata, Phytoseiidae) from Florida citrus groves. - Ann. Ent. Soc. Amer. 116,4: 225-234

Döker, I. / Joharchi, O. / Karut, K. / Kazak, C. (2023): Description of *Typhloseiulus anatolicus* sp. nov. and redescription of two new records of Phytoseiidae (Acari: Mesostigmata) from Turkey. - Acarologia 63,2: 553-568

Döker, I. / Kazak, C. / Karut, K. (2023): A new species of *Typhlodromus (Typhlodromus)* Scheuten (Acari, Phytoseiidae) from Turkey, with a key to the Turkish species of the subgenus. - Syst. Appl. Acarol. 28,2: 356-363

Döker, I. / Stathakis, T.I. / Kolodochka, L.A. (2023): *Neoseiulus pseudomarginatus* sp. nov., a new species of predatory mites (Acari, Phytoseiidae) continuously misidentified as *Neoseiulus marginatus* (Wainstein) from the Mediterranean countries. - Syst. Appl. Acarol. 28,5: 828-837

Dundarova, H. / Orlova, M. / Anisimov, N. / Baskakova, S. / Shakula, G. / Shakula, F. / Shakula, S. / Amirekul, K. (2023): A new species of *Spinturnix* (Acari, Spinturnicidae) from the Turkestani longeared bat *Otonycteris leucophaea* (Chiroptera, Vespertilionidae) in Kazakhstan. - Zootaxa 5222 (5): 443-456

Ebrahim, W. / Barbar, Z. (2023): Mite fauna on *Dittrichia* species (Asteraceae) in Syrian costal region: new records and primary observations on the behavior of *Typhloseiella isotricha* (Athias-Henriot) (Meostigmata, Phytoseiidae). - Acarologia 63,2: 529-538

Eini, N. / Jafari, S. / Fathipour, Y. (2023):* The quality assessment of *Neoseiulus californicus* (Phytoseiidae) reared on thorn apple pollen for 40 generations. - Biocontr. Sci. Technol. 33,3: 211-225

Eini, N. / Jafari, S. / Fathipour, Y. / Prager, S.M. (2023): Experienced generation-dependent functional and numerical responses of *Neoseiulus californicus* (Acari: Phytoseiidae) long-term reared on thorn apple pollen. - Acarologia 63,2: 539-552

Er-Rguibi, O. / Laghzaoui, E.-M. / Aglagane, A. / Kimdil, L. / Stekolnikov, A.A. / Abbad, A. / El Mouden, E.H. (2023): New locality and host records of mites and ticks (Chelicerata: Acari) parasitizing lizards of Morocco. - Acarologia 63,2: 464-479

Espinoza-Carniglia, M. / Lareschi, M. (2023): First description of the deutonymphal stage of *Laelaps mazzai* (Mesostigmata, Laelapidae). – Pers. J. Acarol. 12,1: 151-155

Farazmand, A. / Jalaeian, M. / Kamali, H. / Saboori, A. / Tixier, M.-S. / Kreiter, S. (2023): Phytoseiidae (Acari, Mesostigmata) in four provinces of Iran. - Persian J. Acarol. 12,1: 21-58

Ferla, J.J. / De Araujo, G.J. / Venzon, M. / Nascimento, P.H.M.G. / Kalile, M.O. / Pancieri, S.D. / Cardoso, A.C. / Martins, E.F. / Ferla, N.J. / Pallini, A. (2023): Intercropped plants provide a reservoir of predatory mites in coffee crop. - Agriculture 13,2: 285; 14 pp.; DOI: 10.3390 /agriculture13020285

Fidelis, E.G. / Querino, R.B. / Adaime, R. (2023):* The amazon and its biodiversity: a source of unexplored potential natural enemies for biological control (predators and parasitoids). - Neotrop. Entomol. 52,2: 152-171

Gastal, S.B. / Mascarenhas, C.S. / Bugoni, L. (2023): *Rhinonyssus nenecoi* sp. nov. (Mesostigmata, Rhinonyssidae); a new nasal mite from *Daption capense* (Procellariiformes Procellariidae). - Zootaxa 5301 (2): 269-276

Gómez-Moya, C.A. / Martin, J.P.I. / Lebrón, A.O.F. / De Moraes, G.J. (2023): A new species of *Proctolaelaps* Berlese (Acari: Mesostigmata, Melicharidae) from the Dominican Republic. - Acarologia 63,3: 856-866

González-Aguayo, F. / Fuenzalida-Araya, K. / Landaeta-Aqueveque, C. / Moreno Salas, L. / Santodomingo, A. / Silva-de la Fuente, M.C. (2023): Evaluation of the influence of biotic and abiotic factors on the prevalence and abundance of infestations of *Mysolaelaps microspinosus* (Fonseca, 1936) (Mesostigmata, Laelapidae) on *Oligoryzomys*

longicaudatus (Bennett, 1832) in Chile. - Acarologia 63,3: 735-743

Gonzalez-Dominguez, S. / Santillan-Galicia, M.T. / Guzman-Franco, A.W. / Avila-Garcia, C. / Lopez-Buenfil, J.A. / Romero-Rosales, F. (2023):* Species diversity, population dynamics and spatial distribution of mites on blackberry (*Rubus ulmifolius* Schott): A comparison between organic and conventionally-managed orchards. - Phytoparasitica 51: 241-253

Guichard, M. / Dainat, B. / Dietemann, V. (2023): Prospects, challenges and perspectives in harnessing natural selection to solve the '*Varroa* problem' of honey bees. - Evol. Appl. 16,3: 593-608

Gwiazdowicz, D.J. / Babaeian, E. / Ermilov, S.G. (2023): A new species of *Trigonuropoda* (Mesostigmata, Uropodina) from Vietnam. - Acta Zool. Acad. Scient. Hung. 69,2: 117-126

Havasi, M. / Bandani, A.R. / Golpayegani, A.Z. (2023): The impact of cyflumetofen on demographic parameters of two predatory mites, *Neoseiulus californicus* (M-G) and *Phytoseiulus persimilis* (A-H). - Syst. Appl. Acarol. 28,3: 483-496

Hofstetter, E.M. / Knee, W.H. / Khaustov, A.A. (2023): Phoretic mite assemblage of the pinyon pine beetle, *Ips confusus* (Curculionidae: Scolytinae), in Arizona. - Acarologia 63,2: 480-490

Hua, T. / Chantawannakul, P. / Tsai, C.-L. / Yeh, W.-B. (2023): Genetic profile of the parasitic Varroan mite *Varroa destructor* (Arachnida: Mesostigmata, Varroidae) in Taiwan: a new Taiwanese haplotype intermediate between the highly virulent Russian and less virulent Japanese types identified in the honey bee host *Apis cerana*. - Zool. Stud. 62: e11; 25 pp.; DOI: 10.6620 /ZS.2023.62-11

Ismailov, V. / Agasyeva, I. / Nastasy, A. / Nefedova, M. / Besedina, E. / Komantsev, A. (2023): The application of entomophagous and acariphagous species in biological protection systems of an apple orchard (*Malus domestica* Borkh). - Horticulturae 9,3: 379; 14 pp.; DOI: 10.3390 /horticulturae9030379

Jafarian, F. / Jafari, S. / Fathipour, Y. (2023):* Study of life table and predation efficiency of *Typhlodromus bagdasarjani* (Mesostigmata, Phytoseiidae) fed *Eotetranychus frosti* (Trombidiformes, Tetranychidae) reared on different apple cultivars. - Intern. J. Acarol. 49,2: 112-119

Jin, M.-R. / Xin, T.-R. / Zheng, Z.-H. / Zhang, C. / Huang, X.-Y. / Li, Z.-Z. / Liu, Y.-M. / Wang, J. / Zou, Z.-W. / Xia, B. (2023):* Yeast in addition to pollen enhances the reproduction of the predatory mite *Euseius nicholsi* by increasing the target of rapamycin gene expression. - Biol. Contr. 177: 105101; DOI: 10.1016 /j.biocontrol.2022.105101

Joharchi, O. / Döker, I. / Khaustov, V.A. (2023): Review of the genus *Holostaspis* Kolenati (Acari, Laelapidae) in Russia, with description of two new species. - Acarologia 63,1: 275-291

Joharchi, O. / Ermilov, S.G. (2023): A new species of the genus *Nidilaelaps* Shaw (Acari: Mesostigmata, Laelapidae) from Cuba. - Persian J. Acarol. 12,2: 249-257

Joharchi, O. / Halliday, B. / Frolov, A.V. (2023): A new genus and species of Eviphididae Berlese (Acari: Mesostigmata) associated with an earth-boring dung beetle (Coleoptera: Geotrupidae) in Nepal. - Syst. Appl. Acarol. 28,2: 195-211

Joharchi, O. / Karimovich, M.T. / Faizalievich, K.S. / Döker, I. / Khaustov, V.A. (2023): *Metacryptoseius samanii* n. sp., a new eviphidid mite (Acari: Mesostigmata) associated with *Scarabaeus carinatus* (Coleoptera: Scarabaeidae) from Tajikistan. - Acarologia 63,1: 77-88

Joharchi, O. / Makarova, O.L. / Khaustov, A.A. (2023): Review of the genus *Gamasellodes* Athias-Henriot (Mesostigmata, Ascidae) in Russia, with a description of a new species. - Acarina 31,1: 139-152

Jose, A. / Döker, I. / Gowda, C.C. / Hiremath, R. (2023): A new species of *Neoseiulus* Hughes (Acari, Phytoseiidae) from Karnataka, India with an identification key to Indian species of the genus. - Acarologia 63,3: 783-792

Kader, S. / Arriaza, R.H. / Khatri, K. / O'Malley, A. / Grbic, V. / Grbic, M. / Chruszcz, M. (2023): Current status of structural studies of proteins originating from Arachnida. - Syst. Appl. Acarol. 28,2: 298-308

Kamczyc, J. / Pers-Kamczyc, E. / Skorupski, M. / Urbanowski, C.K. / Malica, J. / Jagodzinski, A.M. (2023): Climate and topography rather than tree species affect mite communities (Mesostigmata)

in severe conditions - Studies from sandstone rocky islands of the Szczeliniec Wielki Plateau (Poland). - Land Degrad. Dev. 34: 3049-3063

Kamran, M. / Mushtaq, H.M.S. / Alatawi, F.J. (2023): Two new species and a new record of the genus *Paragigagnathus* Amitai & Grinberg (Mesostigmata, Phytoseiidae) from Saudi Arabia. - Syst. Appl. Acarol. 28,1: 20-28

Kanelis, D. / Tananaki, C. / Liolios, V. / Rodopoulou, M. (2023):* Evaluation of oxalic acid with glycerin efficacy against *Varroa destructor* (Varroidae): a four year assay. - J. Apic. Res.; DOI: 10.1080 /00218839.2023.2169368

Kaymak Kara, B. / Cobanoglu, S. / Ölmez Bayhan, S. (2023): Predatory mites (Acari, Phytoseiidae) on vegetable fields in Diyarbakır, Elazığ and Mus Provinces, Turkey. - KSU J. Agric. Nat. 26,1: 38-46

Khalili-Moghadam, A. / Babaeian, E. (2023): Rediscovery of *Myrmozercon brachiatus* Berlese (Acari: Mesostigmata) in south-west Iran. - Persian J. Acarol. 12,2: 199-209

Khaustov, V.A. / Döker, I. / Joharchi, O. / Khaustov, A.A. (2023): Review of the genus *Paraseiulus* Muma (Acari, Phytoseiidae) of Russia. - Syst. Appl. Acarol. 28,7: 1235-1260

Kolcu, A. / Kumral, N.A. (2023): The toxic effects of some acaricides on the tomato russet mite and its predator *Amblyseius swirskii* Athias-Henriot, 1962 (Acari, Phytoseiidae). - Türk. Entomol. Derg. 47,1: 3-13

Kolodochka, L.A. (2023): The predatory mites (Parasitiformes, Phytoseiidae) in the fauna of Ukraine: a review with a key to species and new combinations in the genus *Transeius*. - Zoodiversity 57,3: 191-214

Kontschán, J. / Ermilov, S.G. (2023): New *Angulobaloghia* species and records (Acari: Mesostigmata, Rotundabaloghiidae) from the Oriental region. - Acarologia 63,1: 253-261

Kontschán, J. / Ermilov, S.G. (2023): Resurrection of the genus *Micherdzinskiiobovella* Hirschmann, 1989, with the description of *M. petofii* sp.n. from Singapore (Acari, Mesostigmata, Urodinychidae). - Acta Zool. Acad. Scient. Hung. 69,2: 127-138

Kontschán, J. / Ermilov, S.G. (2023): Catalogue of trachyuropodid mites (Acari: Mesostigmata: Uropodina,Trachyuropodidae) of the world, with the description of *Trachyibana kozari* n. sp. from Singapore. - Acta Phytopath. Entomol. Hung. 58,1: 18-50

Kontschán, J. / Ermilov, S.G. (2023): Contribution to the knowledge of *Rotundabaloghia* mites: new species and new records (Acari: Mesostigmata, Rotundabaloghiidae) from the Oriental and Australasian regions. - Syst. Appl. Acarol. 28,3: 405-410

Kopacka, M. / Zemek, R. (2023): Species composition and seasonal abundance of predatory mites (Acari, Phytoseiidae) inhabiting *Aesculus hippocastanum* (Sapindaceae). - Forests 14,5: 942; 13 pp.; DOI: 10.3390 /f14050942

Krantz, G.W. (2023): Notes on the New World allopatric beetle genus *Mycotrupes* (Scarabaeoidea, Geotrupidae) and on *Geotrupacarus mycotrupetes* (Krantz & Mellott) (Acari, Macrochelidae), an early derivative phoretic mite associate of *Mycotrupes gaigei* Olson & Hubbell in southeastern United States. - Acarologia 63 (Suppl.): 29-38

Laska, A. / Rector, B.G. / Przychodzka, A. / Majer, A. / Zalewska, K. / Kuczynski, L. / Skoracka, A. (2023): Do mites eat and run? A systematic review of feeding and dispersal strategies. - Zool. J. Linn. Soc. 198: 462-475

Li, Y.-J. / Huo, Z.-J. / Chang, J. / Meng, R.-X. (2023): Rapid cold hardening response of the phytoseiid mite *Neoseiulus striatus*: increased cold tolerance but not reduced predation. - Exp. Appl. Acarol. 89,1: 15-27

Liang, L. / Yi, T.-C. / Jin, D.-C. (2023): The complete mitochondrial genome of the soil mite *Cycetogamasus diviortus* (Acari, Parasitidae) and the related phylogenetic analyses. - Syst. Appl. Acarol. 28,3: 619-629

Lindquist, E.E. / Vorontsov, D.D. (2023): *Uropodella* (Acari: Mesostigmata, Sejidae), mites unchanged from Eocene past to Holocene present. - Acarologia 63,2: 346-355

Liu, W. / Zhang, K. / Zhang, Z.-Q. (2023): Larval feeding types shape the predation aggression of predatory mites in both intraspecific and interspecific

encounters. - Syst. Appl. Acarol. 28,7: 1272-1282

Li, M. / Wang, Z. / Wang, E. / Zhang, B. / Lv, J. / Xu, X. (2023): Expression and function analyses of sex-lethal gene in *Phytoseiulus persimilis*. - Syst. Appl. Acarol. 28,8: 1356-1367

Malagnini, V. / Baldessari, M. / Duso, C. / Pozzebon, A. / Angeli, G. (2023): Side-effects of a number of insecticides on predatory mites in apple orchards. - Acarologia 63 (Suppl.): 17-28

Martin, J.P.I. / Barros, A.R.A. / De Moraes, G.J. / Castilho, R.C. (2023): A new species of *Antennoseius (Antennoseius)* Berlese (Mesostigmata, Ascidae) from Brazil and a key to the world species of the subgenus. - Syst. Appl. Acarol. 28,8: 1377-1392

Masán, P. (2023): A new and morphologically unusual *Cheiroseius* mite (Acari, Blattisociidae) found in association with tree sap, with a key to the congeneric species of the Slovak fauna. - Syst. Appl. Acarol. 28,3: 461-470

Masán, P. (2023): A new, morphologically and ecologically unusual Lasioseius mite (Acari, Blattisociidae) associated with *Diaperis boleti* (Coleoptera, Tenebrionidae) and wood-decomposing fungi in Slovakia. - Acarologia 63,1: 89-105

Masán, P. / Halliday, B. (2023): Two new species of Lasioseius (Acari: Mesostigmata, Blattisociidae) with reduced sclerotization of the sternal shield. - Intern. J. Acarol. 49,1: 24-33

Meijer, D. / Van der Vleut, J. / Weldegergis, B.T. / Costaz, T. / Duarte, M.V.A. / Pekas, A. / Van Loon, J.J.A. / Dicke, M. (2023): Effects of far-red light on tritrophic interactions between the two-spotted spider mite (*Tetranychus urticae*) and the predatory mite *Phytoseiulus persimilis* on tomato. - Pest Manag. Sci. 79: 1820-1828

Melo, A.S. / Melo, J.W.S. / Paz-Neto, A.A. / Gondim , M.G.C. (2023): Mite diversity and intra-plant distribution in mango crop. - Syst. Appl. Acarol. 28,5: 864-875

Michalska, K. / Mrowinska, A. / Studnicki, M. (2023): Ectoparasitism of the flightless *Drosophila melanogaster* and *D. hydei* by the mite *Blattisocius mali* (Acari: Blattisociidae). - Insects 14: 146; 18 pp.; DOI: 10.3390 /insects14020146

Migeon, A. / Navajas, M. (2023): Homage to Dr Jean Gutierrez (1936-2023). - Acarologia 63,2: 454-463

Mohammad-Doustaresharaf, M. / Karaca, M. / Bagheri, M. / Urhan, R. (2023): A taxonomic study on the zerconid mites (Acari, Zerconidae) in northwestern Iran: descriptions of three new species with three new records. - Syst. Appl. Acarol. 28,3: 429-460

Mohammadi, L. / Hajizadeh, J. (2023): Review of the genus *Dendrolaelaps* Halbert (Acari, Digamasellidae) in Iran, with description of a new species and seven new records. - Intern. J. Acarol. 49,1: 54-66

Montazersaheb, H. / Zamani, A.A. / Sharifi, R. / Darbemamieh, M. (2023): How the plant probiotic bacteria and herbivore-induced plant volatiles (HIPVs) alter functional response of *Phytoseiulus persimilis* (Phytoseiidae) on the two-spotted spider mite. - Acarologia 63,3: 834-843

Montemayor, J.D. / Smith, H.A. / Peres, N.A. / De Marchi, B.R. / Lahiri, S. (2023): Is UV-C light compatible with biological control of twospotted spider mite? - Biol. Contr. 183: 105269; 6 pp.; DOI: 10.1016 /j.biocontrol.2023.105269

Moradi, F. / Rahimi, A. / Sadeghi, A. / Fathipour, Y. / Maroufpoor, M. (2023): Modeling linear and nonlinear relationship between temperature and development rate of *Amblyseius swirskii* (Acari, Phytoseiidae). - Syst. Appl. Acarol. 28,6: 1121-1136

Moradi, M. / Joharchi, O. / Döker, I. / Khaustov, V.A. / Salavatulin, V.M. / Popov, D.A. / Belyakova, N.A. (2023): Effects of temperature on life table parameters of a newly described phytoseiid predator, *Neoseiulus neoagrestis* (Acari, Phytoseiidae) fed on *Tyrophagus putrescentiae* (Acari, Acaridae). - Acarologia 63,1: 31-40

Moradi, M. / Misharova, Y.V. / Snigirev, V.V. / Döker, I. / Joharchi, O. / Khaustov, V.A. (2023): Life history of *Neoseiulus agrestis* (Karg) (Acari, Phytoseiidae) fed on the storage mite, *Thyreophagus sp.* (Acari, Acaridae) at different temperatures. - Acarologia 63,3: 817-825

Morales-Malacara, J.B. / López-Ortega, G. (2023): A new species of the genus *Periglischrus* (Acari, Spinturnicidae) on *Leptonycteris nivalis* (Chiroptera, Phyllostomidae) from Mexico, including a key to species of the *vargasi* species group. - J. Med. Entomol. 60,1: 73-89

Moraza, M.L. / Balanzategui, I. (2023): A new species of *Lasioseius (Endopodalius)* (Acari: Mesostigmata, Blattisociidae) coexistent with the invasive agave weevil (Coleoptera, Dryophthoridae) in the southeast of the Iberian Peninsula. - Acarologia 63,2: 605-614

Moretti, E. / Jones, C. / Schmidt-Jeffris, R. (2023): Alternative food sources for *Amblydromella caudiglans* (Phytoseiidae) and effects on predation. - Exp. Appl. Acarol. 89,1: 29-44

Mortazavi, N. / Fathipour, Y. / Talebi, A.A. / Riahi, E. (2023):* Suitability of monotypic and mixed diets for development, population growth and predation capacity of *Typhlodromus bagdasarjani* (Acari, Phytoseiidae). - Bull. Entomol. Res. 113,1: 107-117

Möth, S. / Richart-Cervera, S. / Comsa, M. / Herrera, R.A. / Hoffmann, C. / Kolb, S. / Popescu, D. / Reiff, J.M. / Rusch, A. / Tolle, P. / Walzer, A. / Winter, S. (2023): Local management and landscape composition affect predatory mites in European wine-growing regions. - Agric. Ecosyst. Environ. 344: 108292; 15 pp.; DOI: 10.1016 /j.agee.2022.108292

Mousavi, A. / Kheradmand, K. / Fathipour, Y. / Mosallanejad, H. / Havasi, M. (2023): The effects of the abamectin and spirodiclofen mixture on life history and population parameters of *Amblyseius swirskii*. - Syst. Appl. Acarol. 28,5: 971-984

Muntaabski, I. / Russo, , R.M. / Liendo, M.C. / Landi, L. / Lanzavecchia, S.B. / Scannapieco, A.C. (2023): A method for semi-field rearing of *Varroa destructor* (Acari, Varroidae) to obtain mites of controlled age and specific life cycle. - Acarologia 63,2: 383-389

Naqshbandi, S.S. / Fathipour, Y. / Hajiqanbar, H. / Yazdanpanah, S. (2023): Long-term effects of saffron pollen on development, reproduction and predation capacity of *Neoseiulus cucumeris* (Acari, Phytoseiidae). - Acarologia 63,1: 188-200

Niu, T. / Nima, Y. / Li, G.-Y. / Yang, B. / Chen, H. / Li, Y. / Liu, H. (2023): A spätzle protein involved in the immune response of *Neoseiulus barkeri* (Acari, Phytoseiidae) against *Beauveria bassiana*. - Syst. Appl. Acarol. 28,3: 556-567

Oh, J. / Lee, S. / Joharchi, O. (2023): A new species of *Gaeolaelaps* Evans & Till (Acari, Laelapidae) associated with an endemic bess beetle (Coleoptera, Passalidae) in the Republic of Korea. - Acarologia 63,3: 676-690

Orlova, M.V. / Anisimov, N.V. (2023): Three new species of bat-parasitic gamasid mites of the genera *Spinturnix*, *Macronyssus* and *Steatonyssus* (Acari: Mesostigmata: Spinturnicidae, Macronyssidae) from Siberia and Mongolia, with keys to species of Russia and adjacent countries. - Persian J. Acarol. 12,2: 211-239

Orlova, M.V. / Dundarova, H. / Anisimov, N.V. / Shakula, G.V. / Baskakova, S.V. / Shakula, F.V. / Shakula, S.V. / Kuzminov, I.V. / Boyarintsev, D.I. (2023): New geographical records of spinturnicid mites (Mesostigmata: Gamasina, Spinturnicidae) in Kazakhstan. - Ecol. Mont. 63: 105-112

Özbek, H.H. (2023): First record of the genus *Eviphis* Berlese (Parasitiformes: Eviphididae) from Türkiye, with some notes on the eviphidid mites in Türkiye. - Acarol. Stud. 5,1: 17-20

Özbek, H.H. (2023): The genus *Onchodellus* Berlese in Türkiye (Mesostigmata, Pachylaelapidae), with a new record and three new species. – Zootaxa 5263 (2): 285-296

Pandey, S. / Da Silva, A.L.B.R. / Dutta, B. / Chong, J.H. / Mutschler, M.A. / Schmidt, J.M. (2023): Acylsugar tomato lines suppress whiteflies and *Amblyseius swirskii* establishment. - Ent. Exp. Appl. : 9 pp.; DOI: 10.1111 /eea.13342

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

Liu, J. / Zhang, R. / Tang, R. / Zhang, Y. / Guo, R. / Xu, G. / Chen, D. / Huang, Z.Y. / Chen, Y. / Han, R. / Li, W. (2023): The role of honey bee derived aliphatic esters in the host-finding behavior of *Varroa destructor*. - Insects 14: 24; 13 pp.; DOI: 10.3390 /insects14010024

Pournajafi, H. / Khanjani, M. / Soltani, J. (2023): Sex-ratio deviation and sex-ratio distorting bacteria detected by multiplex PCR in the predatory mite *Amblyseius swirskii* (Acari, Phytoseiidae). - Persian J. Acarol. 12,2: 337-344

Qi, X. / Li, H. / Liu, X. / Wang, B. / Meng, J. / Liu, Q. / Sun, W. / Pan, B. (2023): Location of olfactory organs and architecture of gustatory organs in the poultry red mite, *Dermanyssus gallinae* (Acari, Dermanyssidae). - Zool. Anz. 303: 1-9

Qi, X. / Li, H. / Wang, B. / Meng, J. / Wang, X. / Sun, W. / Pan, B. (2023):* Identification of guanine and hematin as arrestment pheromones of poultry red mites, *Dermanyssus gallinae* (Acari, Dermanyssidae) and their application in mite control. - Veter. Parasitol. 313: 109843; DOI: 10.1016 /j.vetpar.2022.109843

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

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

Ristyadi, D. / He, X.-Z. / Wang, Q. (2023): Predator- and killed prey-induced fears bear significant cost to an invasive spider mite: implications in pest managment. - Pest Manag. Sci. 78,12: 5456-5462

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

Santos, J.C. / Borges, V. / Castilho, R.C. (2023): A new species of *Zercoseius* (Acari: Mesostigmata, Blattisociidae) from Brazil. - Zootaxa 5336 (2): 271-280

Schiavone, A. / Price, D.R.G. / Pugliese, N. / Burgess, S.T.G. / Siddique, I. / Circella, E. / Nisbet, A.J. / Camarda, A. (2023): Profiling of *Dermanyssus gallinae* genes involved in acaricide resistance. - Veter. Parasitol. 319: 109957; 11 pp.; DOI: 10.1016/j. vetpar.2023.109957

Seeman, O.D. / Walter, D.E. (2023): Phoresy and mites: more than just a free ride. - Ann. Rev. Entomol. 68: 69-88

Senbill, H. / Hassan, S.M. / Eldesouky, S.E. (2023):* Acaricidal and biological activities of Titanium dioxide and Zinc oxide nanoparticles on the two-spotted spider mite, *Tetranychus urticae* Koch (Acari, Tetranychidae) and their side effects on the predatory mite, *Neoseiulus californicus* (Acari, Phytoseiidae). - J. Asia-Pacific Entomol. 26,1: 102027; DOI: 10.1016 /j.aspen.2022.102027

Shang, S.-Q. / Li, W.-Z. / Chen, Y.-N. / Zhu, T. (2023): The influence of Ahy1 strain of *Acremonium hansfodii* on functional response of *Neoseiulus barkeri* to *Tetranychus urticae*. - Syst. Appl. Acarol. 28,5: 903-911

Shirvani, Z. / Allahyari, H. / Golpayegani, A.Z. / Jahromi, K.T. / Döker, I. (2023): Side effects of *Zataria multiflora* Boiss (Lamiaceae) essential oil on predation and life table parameters of *Amblyseius swirskii* Athias-Henriot (Acari, Phytoseiidae). - Syst. Appl. Acarol. 28,1: 143-157

Shirvani, Z. / Döker, I. / Karut, K. / Kazak, C. (2023): Foraging behavior of *Amblyseius swirskii* (Acari, Phytoseiidae) feed on the invasive pest *Tetranychus evansi* (Acari, Tetranychidae) on tomato. - Syst. Appl. Acarol. 28,2: 223-235

Silva, D.E. / Do Nascimento, J.M. / Correa, L.L.C. / Da Silva, R.T.L. / Juchem, C.F. / Rodrigues, R. / Ferla, N.J. (2023): Functional and numerical responses are influenced by the feeding experience of *Neoseiulus cucumeris* (Acari, Phytoseiidae). - Syst. Appl. Acarol. 28,4: 704-714

Silva, L.R.A. / Gondim, M.G.C. / Demite, P.R. (2023): A new species of *Galendromus* Muma (Acari, Phytoseiidae) from the Caatinga biome, Brazil. - Syst. Appl. Acarol. 28,2: 258-268

Sioutas, G. / Tsouknidas, A. / Gelasakis, A. / Vlachou, A. / Kaldeli, A.K. / Kouki, M. / Symeonidou, I. / Papadopoulos, E. (2023): In vitro acaricidal activity of silver nanoparticles (AgNPs) against the poultry red mite (*Dermanyssus gallinae*). - Pharmaceutics 15,2: 659; 13 pp.; DOI: 10.3390 /pharmaceutics15020659

Sulek, N. / Döker, I. / Saboori, A. / Cakmak, I. (2023): Prey consumption capacity and functional response of *Phytoseiulus persimilis* (Acari: Phytoseiidae) feeding on *Tetranychus urticae* (Acari: Tetranychidae) on different cotton varieties. - Acarologia 63,3: 665-675

Tabari, M.A. / Jafari, A. / Jafari, M. / Youssefi, M.R.

(2023):* Laboratory and field efficacy of terpene combinations (Carvacrol, Thymol and Menthol) against the poultry red mite (*Dermanyssus gallinae*). - Veter. Parasitol. 313: 109842; DOI: 10.1016 /j.vetpar.2022.109842

Thao, N.T.P. / Thuy, N.T. / Quyen, H.L. (2023): Effects of different diets on biological characteristics of predatory mite *Amblyseius eharai* (Acari, Phytoseiidae). - Insects 14,6: 519; 11 pp.; DOI: 10.3390 /insects14060519

Tian, C. / Li, G.-Y. / Wang, M. / Chen, H. / Ding, Y. / Chen, G. / Li, Y. / Nima, Y. / Liu, H. (2023): Activation of MAPK signaling pathway genes leads to promoted thermotolerance in a high-temperature adapted predatory mite *Neoseiulus barkeri* (Hughes). - Syst. Appl. Acarol. 28,5: 888-902

Tian, C. / Wang, Y. / Yang, X. / Zhou, J. / Gao, Y. / Shi, J. / Jiang, J. (2023):* Functional analysis of two mitogen-activated protein kinases involved in thermal resistance of the predatory mite *Neoseiulus californicus* (Acari, Phytoseiidae). - Exp. Appl. Acarol. 89,3-4: 363-378

Tian, J.-X. / Tsai, W.-S. / Sung, I (2023): A novel variant of deformed wing virus (DWV) from the invasive honeybee *Apis florea* (Apidae, Hymenoptera) and its ectoparasite *Euvarroa sinhai* (Acarina, Mesostigmata) in Taiwan. - Insects 14: 203; 12 pp.; DOI: 10.3390 / insects14020103

Ueckermann, E.A. / Faraji, F. / Simoni, S. / Guidi, S. / De Moraes, G.J. / Abo-Shnaf, R. (2023): *Proctolaelaps* (Acari, Melicharidae) mites from Africa. - Intern. J. Acarol. 49,1: 8-23

Urhan, R. / Karaca, M. (2023): Contributions to the Zerconidae (Acari, Mesostigmata) fauna of Dilek Peninsula-Büyük Menderes Delta National Park, Türkiye. - Acarol. Stud. 5,1: 21-33

Vangansbeke, D. / Van Doren, E. / Duarte, M.V.A. / Pijnakker, J. / Wäckers, F. / De Clercq, P. (2023):* Why are phytoseiid predatory mites not effectively controlling *Echinothrips americanus*? - Exp. Appl. Acarol. 90,1: 1-17

Vásquez, C. / Colmenárez, Y.C. / Greco, N. / Ramos, M. (2023):* Current status of phytoseiid mites as biological control agents in Latin America and experiences from Argentina using *Neoseiulus californicus*. - Neotrop. Entomol. 52,2: 240-250

Villalvazo-Valdovinos, R. / Guzmán-Franco, A.W. / Valdez-Carrasco, J. / Martinez-Núnez, M. / Soto-Rojas, L. / Vargas-Sandoval, M. / Santillán-Galicia, M.T. (2023):* Berry species and crop management approaches affect species diversity and abundance of predatory mites (Acari, Phytoseiidae). - Exp. Appl. Acarol. 89,2: 215-230

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

Wei, J. / Liu, Y. / Sheng, F. / Wang, E. / Zhang, B. / Xu, X. (2023): Predatory mite *Amblyseius orientalis* prefers egg stage and low density of *Carpoglyphus lactis* prey. - Exp. Appl. Acarol. 90,3-4: 267-276

Xiong, H.-N. / Yi, T.-C. / Jin, D.-C. (2023):* A new species of *Blattisocius* (Acari: Mesostigmata, Blattisociidae) from China, with a key to species of the genus recorded from that country. - Intern. J. Acarol. 49,1: 1-7

Xu, Y. / Zhang, K. / Zhang, Z.-Q. (2023): Development, survival, and reproduction of *Phytoseiulus persimilis* Athias-Henriot (Acari, Phytoseiidae) feeding on fresh versus frozen eggs of *Tetranychus urticae* Koch (Acari, Tetranychidae). - Acarologia 63,1: 24-30

Yalcin, K. / Döker, I. / Kazak, C. (2023): Foraging behaviors of *Amblyseius swirskii* Athias-Henriot and *Euseius scutalis* (Athias-Henriot) (Acari, Phytoseiidae) feed on the invasive pest, *Eutetranychus orientalis* (Klein) (Acari: Tetranychidae). - Egypt. J. Biol. Pest Contr. 33,1: 18; 8 pp.; DOI: 10.1186 / s41938-023-00665-4

Yang, H.-J. / Yang, Z.-H. / Ren, T.-G. / Dong, W.-G.(2023): The complete mitochondrial genome of *Eulaelaps huzhuensis* (Mesostigmata, Haemogamasidae). - Exp. Appl. Acarol. 90,3-4: 301-306

Yari, S. / Hajiqanbar, H. / Farazmand, A. / Rashed, A. / Fathipour, Y. (2023):* Efficacy of single and combined release of *Phytoseiulus persimilis* and *Amblyseius swirskii* at different release ratios for control of *Tetranychus urticae* and *Frankliniella occidentalis* on rose plants. - Intern. J. Pest Manag.; DOI:10.1080 /09670874.2023.2185312

Yari, S. / Hajiqanbar, H. / Farazmand, A. / Rashed,

A. / Fathipour, Y. (2023): Efficacy assessment of *Neoseiulus cucumeris* at different release rates in control of *Frankliniella occidentalis* on rose plants under laboratory and microcosm conditions. - Syst. Appl. Acarol. 28,3: 607-618

Yazdanpanah, S. / Fathipour, Y. (2023): Functional and numerical responses are influenced by the feeding experience of *Neoseiulus cucumeris* (Acari: Phytoseiidae). - Syst. Appl. Acarol. 28,4: 704-714

Yazdanpanah, S. / Fathipour, Y. (2023):* How mixture of plant and prey diets affects long-term rearing of predatory mite *Neoseiulus cucumeris* (Acari: Phytoseiidae). - Ann. Entomol. Soc. Amer. 116,4: 185-194

Yilmaz, R.F. / Dizman, M. (2023): The use of humic acids in the fight against *Varroa destructor* (Mesostigmata, Varroidae). - Acarol. Stud. 5,1: 1-10

Zahidi, A. / Akchour, A. / Kreiter, S. / Tixier, M.-S. / Msanda, F. / El Mousadik, A. (2023): Phytoseiid mites (Acari: Mesostigmata) from Central West Morocco: new records and key to females of all recorded Moroccan species. - Acarologia 63,3: 691-724

Zergani, A. / Shishehbor, P. / Nakkai, F.N. / Riahi, E. (2023): Life history traits and population parameters of the predatory mite *Euseius scutalis* (Acari, Phytoseiidae) fed on *Tetranychus turkestani* (Acari, Tetranychidae) and pollen from three different plants.. - Acarologia 63,3: 945-954

Zhou, H. / Yan, H. / Wang, E. / Zhang, B. / Xu, X. (2023):* Expression and functional analysis of Niemann-Pick C2 gene in *Phytoseiulus persimilis*. - Exp. Appl. Acarol. 89,2: 201-213

Publications 2022

Akyol, D. / Akyazi, R. (2022): Comparative faunistic analysis of mite species on neglected and conventional pome fruit trees in Turkey. - Acarologia 62,4: 941-955

Alahyane, H. / Ouknin, M. / Aimrane, A. / Aboussaid, H. / Majidi, L. / Oufdou, K. / El Messoussi, S. (2022):* Evaluation of *Amblyseius swirskii* Athias-Henriot and *Amblyseius andersoni* (Chant) (Acari, Phytoseiidae) as biological control agents of *Eutetranychus orientalis* (Klein) (Acari, Tetranychidae) on citrus. - Arch. Phytopath. Plant Prot. 55,18: 2158-2176

Assouguem, A. / Farah, A. / Ullah, R. / Korkmaz, Y.B. / Almeer, R. / Sayed, A.A. / Najda, A. / Lazraq, A. (2022): Evaluation of the varietal impact of two citrus species on fluctuations of *Tetranychus urticae* (Acari, Tetranychidae) and beneficial phytoseiid mites. - Sustainability 14: 3088; 11 pp.; DOI: 10.3390 /su14053088

Assouguem, A. / Kara, M. / Mechchate, H. / Al-Mekhlafi, F.A. / Nasr, F. / Farah, A. / Lazraq, A. (2022): Evaluation of the impact of different management methods on *Tetranychus urticae* (Acari, Tetranychidae) and their predators in citrus orchards. - Plants 11: 623; 14 pp.; DOI: 10.3390 /plants11050623

Auffray, T. / Arriaga-Jimenez, A. / Taudiere, A. / Roy, L.J.M. / Lapeyre, B. / Roy, L. (2022):* Attractant activity of host-related chemical blends on the poultry red mite at different spatial scales. - J. Chem. Ecol. 49,1-2: 18-35

Ball, B.A. / Haberkorn, M. / Ortiz, E. (2022):* Mesofauna community influences litter chemical trajectories during early-stage litter decay. - Pedobiologia 95: 150844; DOI: 10.1016/j.pedibi.2022.150844

Barghout, M.E. / Ibrahim, S.S. / El-Saiedy, E.M. (2022): Efficacy of phytoseiid mites and pesticides to control *Bemisia tabaci*, *Thrips tabaci* and *Tetranychus urticae* on *Capsicum annuum*. - Persian J. Acarol. 11,3: 497-513

Barros, M.E.N. / Da Silva, F.W.B. / Lima, D.B. / Melo, J.W.S. (2022): Biopesticide and acaricides impair survival, predation, oviposition, and conversion of food into eggs of a phytoseiid mite, *Amblyseius largoensis* (Acari, Phytoseiidae) - Syst. Appl. Acarol. 27,10: 1867-1877

Bava, R. / Castagna, F. / Palma, E. / Musolino, V. / Carresi, C. / Cardamone, A. / Lupia, C. / Marrelli, M. / Conforti, F. / Roncada, P. / Musella, V. / Britti, D. (2022): Phytochemical profile of *Foeniculum vulgare* subsp. piperitum essential oils and evaluation of acaricidal efficacy against *Varroa destructor* in *Apis mellifera* by In Vitro and Semi-Field fumigation tests. - Veter. Sci. 9,12: 684; 14 pp.; DOI: 10.3390 /vetsci9120684

Beretta, G.M. / Deere, J.A. / Messelink, G.J. / Munoz-Cárdenas, K. / Janssen, A. (2022): Review:

predatory soil mites as biocontrol agents of aboveand below-ground plant pests. - Exp. Appl. Acarol. 87,4: 143-162

Bilbo, T.R. / Owens, D.R. / Golec, J.R. / Walgenbach, J.F. (2022): Impact of insecticide programs on pests, the predatory mite *Phytoseiulus persimilis*, and staked tomato profitability. - Pest Manag. Sci. 78: 2390-2397

Bilki, K. / Urhan, R. / Karaca, M. (2022): Mites of the family Zerconidae (Acari: Mesostigmata) from Southwestern Turkey, with description of three new species. - Acarol. Stud. 4,2: 89-103

Bizzarri, L. / Kuprewicz, E.K. / Varma, M. / Garcia-Robledo, C. (2022): Phoretic specialization on insect herbivores facilitates mite transportation to host plants. - Ent. Exp. Appl. 170: 361-367

Błoszyk, J. / Napierała, A. / Kulczak, M. / Zacharyasiewicz, M. (2022): Changes in forest stand and stability of uropodine mites communities (Acari: Parasitiformes) in Jakubowo Nature Reserve in the light of long-term research. - Forests 13,8: 1219; 17 pp.; DOI: 10.3390 /f13081219

Broufas, G. / Ortego, F. / Suzuki, T. / Smagghe, G. / Broekgaarden, C. / Diaz, I. (2022): Editorial: Plant-Pest Interactions Volume I: Acari and Thrips. - Front. Plant Sci. 12: 773439; 3 pp.; DOI: 10.3389 / fpls.2021.773439

Castane, C. / Alomar, O. / Rocha, A. / Vila, E. / Riudavets, J. (2022): Control of *Aculops lycopersici* with the predatory mite *Transeius montdorensis*. - Insects 13: 1116; 10 pp.; DOI: 10.3390 / insects13121116

Ceballos, R. / Campos, C. / Rioja, T. (2022): *Galendromus occidentalis* (Acari, Phytoseiidae) life table parameters on *Oligonychus yothersi* (Acari, Tetranychidae) colonies and its behavior to odors of mites, avocado shoots volatiles and synthetic compounds. – Chil. J.A.R. 82,1: 124-134

De Araújo, F.G. / 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 Lima Araújo, J. / Souza, P.G.C. / Da Silva, R.S. / Lima, D.B. / Melo, J.W.S. (2022):* Potential worldwide distributions of *Neoseiulus californicus* and *Neoseiulus idaeus* (Acari, Phytoseiidae) determined by climatic modelling. - Intern. J. Acarol. 48,6: 494-502

De Moraes, G.J. / Moreira, G.F. / Freire, R.A.P. / Beaulieu, F. / Klompen, H. / Halliday, B. (2022): Catalogue of the free-living and arthropod-associated Laelapidae Canestrini (Acari: Mesostigmata), with revised generic concepts and a key to genera. - Zootaxa 5184 (1): 1-509

Diler, H. / Yazici, G. / Sacti, Z. / Yücel, C. / Baris, A. (2022): Survey of mite species of tea plantations in Rize. - Plant Prot. Bull. 62,3: 37-49

Döker, I. / Khaustov, V.A. / Joharchi, O. (2022): First report of plant inhabiting predatory mites (Acari, Phytoseiidae) in Maldives. - Acarologia 62,4: 865-878

Döker, I. / Khaustov, V.A. / Joharchi, O. / Jung, C. / Marchenko, I.I. (2022): Variability of dorsal shield in different populations of *Amblyseius ishizuchiensis* Ehara (Acari, Phytoseiidae). - Acarologia 62,4: 916-926

Döker, I. / Vangansbeke, D. / Merckx, J. (2022): New records of phytoseiid mites (Acari: Mesostigmata, Phytoseiidae) in Belgium with an identification key to Belgian species. - Acarologia 62,4: 1070-1083

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

El-Hatawy, L.A. / Keratum, A.Y. / Hasan, N.E. / Hafez, Y. / Abdelaal, K. (2022):* Biological and behavioral characteristics of predator (*Phytoseiulus persimilis*) and ist host two-spotted spider mite (*Tetranychus urticae*) under some chemicals treatments. - Fres. Environ. Bull. 31,8: 7869-7876

Elshazly, M.M.Y. (2022): Comparative suitability of different nutrients for feeding the predaceous mite, *Amblyseius swirskii* Athias-Henriot (Acari, Phytoseiidae), in the laboratory. - Egypt. J. Biol. Pest Contr. 32: 24; 7 pp.; DOI: 10.1186 /s41938-022-00528-4

Fahim, S.F. / Abdel-Khalek, A.A. (2022): Development and reproduction of *Amblyseius largoensis* (Acari, Phytoseiidae) feeding on two eriophyoid mites. -

Persian J. Acarol. 11,3: 483-496

Ferragut, F. / Navia, D. (2022): The tribes Kampimodromini Kolodochka and Typhlodromipsini Chant & McMurtry (Mesostigmata: Phytoseiidae) in the Serra do Espinhaço, Brazil, with a key to the Brazilian species of *Typhlodromips* De Leon. - Acarologia 62,4: 1217-1253

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

Flechtmann, C.H.W. / De Moraes, G.J. (2022): Phytophagous and predatory mites (Acari) on Cyperaceae (Plantae: Poales). - Syst. Appl. Acarol. 27,12: 2618-2624

Fuenzalida-Araya, K. / González-Aguayo, F. / Moreno, L. / Landaeta-Aqueveque, C. / Santodomingo, A. / Silva-de la Fuente, C. / González-Acuna, D. (2022): New records of *Gigantolaelaps wolffsohni* (Mesostigmata, Laelapidae) in Chile, an ectoparasite of *Oligoryzomys longicaudatus* (Rodentia, Cricetidae): ecological aspects and relation to body size and sex of their host. - Acarologia 62,4: 965-973

Gallego, J.R. / Solano-Rojas, Y. / Tiseyra, B. / Gamez, M. / Cabello, T. (2022):* Population dynamics of mites in slow-release sachets used in biological control: a new study methodology. - Exp. Appl. Acarol. 87,4: 325-335

Gduła, A.K. / 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

González-Zamora, J.E. (2022): Pest mites and their interaction with Phytoseiidae and other arthropod predators in an almond orchard in South-West Spain. - Exp. Appl. Acarol. 88,2: 165-177

Gu, X.Y. / Li, G.-Y. / Zhang, Z.-Q. (2022):* Stage and sex-dependent responses of immature predatory mites (*Blattisocius dentriticus*) to predation risk from cannibalistic conspecifics. - J. Stored Prod. Res. 99: 102027; 10.1016 /j.jspr.2022.102027

Guerrini, A. / Morandi, B. / Roncada, P. / Brambilla, G. / Dini, F.M. / Galuppi, R. (2022): Evaluation of the acaricidal effectiveness of fipronil and phoxim in field populations of *Dermanyssus gallinae* (De Geer, 1778) from ornamental poultry farms in Italy. - Veter. Sci. 9: 486; 10 pp.; DOI: 10.3390 /vetsci9090486

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

Hajizadeh, J. (2022): Review of the Iranian Parholaspidid mites (Acari: Mesostigmata) with a key to the species. - Zootaxa 5178 (3): 229-240

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.

Han, X. / Zhang, K. / Xu, Y. / Zhang, Z.-Q. (2022): Temporal variations in diet restrictions on prey requirement and development of a predatory mite. - Intern. J. Acarol. 48,8: 663-668

Han, X. / Zhang, K. / Xu, Y. / Zhang, Z.-Q. (2022): Prey requirement and development of a predatory mite under diet restriction: *Phytoseiulus persimilis* Athias-Henriot (Phytoseiidae) feeding on *Tetranychus urticae* Koch (Tetranychidae). - Syst. Appl. Acarol. 27,10: 2103-2110

Herrera-Mares, A. / Guzmán-Cornejo, C. / Garcia-Prieto, L. / Rebollo-Hernández, A. / León-Paniagua, L. / Del Castillo-Martinez, L. / Montiel-Parra, G. / Rios-Sais, G. et al. (2022): Acari (Parasitiformes and Acariformes) from Mexico:

Analysis of their geographical and host distribution in Rodentia (Cricetidae). - J. Med. Entomol. 59,6: 1880-1890

Hou, F. / Ni, Z.-H. / Zou, M.-T. / Zhu, R. / Yi, T.-C. / Guo, J.-J. / Jin, D.-C. (2022): The effects of alternative foods on life history and cannibalism of *Amblyseius herbicolus* (Acari, Phytoseiidae). - Insects 13: 1036; 14 pp.; DOI: 10.3390 /insects13111036

Iglesias, A.E. / Fuentes, G. / Mitton, G. / Ramos, F. / Brasesco, C. / Manzo, R. / Orallo, D. / Gende, L. / Eguaras, M. / Ramirez, C. / Fanovich, A. / Maggi, M. (2022): Hydrolats from *Humulus lupulus* and their potential activity as an organic control for *Varroa destructor*. - Plants 11: 3329; 13 pp.; DOI: 10.3390 / plants11233329

Jarrett, R.A. / Erasmus, M.A. / Murillo, A.C. / Scoles, K.L. / Robison, C.I. / Jones, D.R. / Karcher, D.M. (2022): Laying hen production and welfare in a cage-free setting is impacted by the northern fowl mite. - J. Appl. Poult. Res. 31: 100290; 21 pp.; DOI: 10.1016 /j.apr.2022.100290

Joharchi, O. / Döker, I. / Yalcin, K. / Kazak, C. (2022): New records of soil-inhabiting mesostigmatic mites (Acari: Mesostigmata) in Turkey. - Acarol. Stud. 4,2: 70-78

Kamczyk, J. / Dyderski, M.K. / Horodecki, P. / Jagodzinski, A.M. (2022): Temperature and precipitation affect seasonal changes in mite communities (Acari: Mesostigmata) in decomposing litter of broad-leaved and coniferous temperate tree species. - Annls. For. Sci. 79: 12; 16 pp.; DOI: 10.1186 /s13595-022-01129-9

Kaminskiene, E. / Paulauskas, A. / Blaciauskas, L. / Radzijevskaja, J. (2022):* *Bartonella* spp. detection in laelapid (Mesostigmata, Laelapidae) mites collected from small rodents in Lithuania. - J. Vect. Ecol. 47,2: 195-201

Kar, A. / Karmakar, K. (2022): Description of nine new species of phytoseiid mites (Acari: Mesostigmata) from Sikkim, a north eastern States of India. - Zootaxa 5182 (3): 201-237

Karaca, M. (2022): First record of the genus *Leonardiella* (Acari, Trachyuropodidae) from Turkey. - Acarol. Stud. 4,2: 83-88

Karatas, A. / Toprak, F. (2022): The wing mites (Acari, Spinturnicidae) of the Turkish bats, including new records. - Kuwait J. Sci. 49,2: 1-11

Khakestani, N. / Latifi, M. / Babaeian, E. / Knee, W. / Hosseini, S. (2022): Structure and molecular evolution of the barcode fragment of cytochrome oxidase I (COI) in *Macrocheles* (Acari, Mesostigmata, Macrochelidae). - Ecol. Evol. 12,12: e9553; 15 pp.; DOI: 10.1002 /ece3.9553

Khaustov, V.A. / Döker, I. / Joharchi, O. / Kazakov, S.V. / Khaustov, A.A. / Moradi, M. / Fang, X.-D. / Klimov, P. (2022): A new, broadly distributed species of predacious mites, *Neoseiulus neoagrestis* sp. nov., (Acari: Phytoseiidae) discovered through GenBank data mining and extensive morphological analyses. - Syst. Appl. Acarol. 27,10: 2038-2061

Khaustov, V.A. / Döker, I. / Joharchi, O. / Khaustov, A.A. (2022): Morphological ontogeny and complementary description of *Neoseiulus subsolidus* (Beglyarov) (Acari: Mesostigmata, Phytoseiidae). In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 249-269

Khaustov, V.A. / Döker, I. / Joharchi, O. / Khaustov, A.A. / Homidov, S. (2022): Redescription of *Typhlodromus (Anthoseius) kuznetsovi* (Denmark & Welbourn) (Acari, Phytoseiidae) based on holotype and newly collected material from Tajikistan. - Acarina 30,2: 225-231

Kiptoo, J.J. / Mutisya, D.L. / Ndegwa, P.N. / Irungu, L. / Godfrey, R. / Oduor, G.I. / Kiptoo, G.J. (2022): Effect of agro-ecological zones on predacious mites (Acari, Phytoseiidae) and pest mite, *Eutetranychus africanus* (Acari, Tetranychidae) populations in citrus orchards of Kenya. - Persian J. Acarol. 11,3: 515-529

Klompen, H. / Gerdeman, B.S. (2023): Genus-level revision of the Heterozerconoidea (Parasitiformes: Mesostigmata). - Zootaxa 5322 (1): 1-66

Kolics, B. / Kolics, E. / Solti, I. / Bacsi, Z. / Taller, J. / Specziar, A. / Matyas, K. (2022): Lithium chloride shows effectiveness against the poultry red mite (*Dermanyssus gallinae*). - Insects 13: 1005; 9 pp.; DOI: 10.3390 /insects13111005

Kolodochka, L.A. (2022): The predatory mites (Phytoseiidae, Parasitiformes) in the fauna of

Ukraine: a new species and a new subgenus of the genus *Graminaseius*. - Zoodiversity 56,6: 463-472

Komagata, Y. / Sekine, T. / Oe, T. / Takayama, S. (2022): Comparison of the suppressive effect on the two-spotted spider mite *Tetranychus urticae* Koch among different installation methods of light-reflection materials in a strawberry greenhouse using ultraviolet-B lamps and phytoseiid mites. - J. Acarol. Soc. Jpn. 31,1: 1-11

Kontschán, J. / Ermilov, S.G. (2022): *Schwendingeriella tapanensis* gen. nov., sp. nov., a new remarkable representative of Uropodina mites from Thailand (Acari: Mesostigmata, Urodinychidae). - Syst. Appl. Acarol. 27,10: 1911-1919

Koziatek-Sadlowska, S. / Sokol, R. (2022): An in vitro evaluation of the sensitivity and responses of *Dermanyssus gallinae* to selected acaricides. - Poultry Sci. 101,1: 101798; 6 pp.; DOI: 10.1016 /j.psj.2022.101798

Kvifte, G.M. / Kaczmarek, S. / Marquardt, T. / Seniczak, A. (2022): Linked seasonality between a phoretic mite and its moth fly host (Parasitiformes: Mesostigmata and Diptera: Psychodidae). - Acarologia 62,4: 956-964

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

Li, D.-D. / Yi, T.-C. / Guo, J.-J. / Jin, D.-C. (2022): Morphological changes and ontogenetic development of *Amblyseius eharai* Amitai & Swirski (Acari, Phytoseiidae). In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 270-290

Li, W.-Z. / Zhu, T. / Zhou, J.-J. / Shang, S.-Q. (2022): Effects of short-term heat stress on the activity of three antioxidant enzymes of predatory mite *Neoseiulus barkeri* (Acari, Phytoseiidae). - Front. Physiol. 13: 937033; 9 pp.; DOI: 10.3389 /fphys.2022.937033

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

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

Manu, M. / Bancila, R.I. / Mountford, O.J. / Onete, M. (2022): Soil invertebrate communities as indicator of ecological conservation status of some fertilised grasslands from Romania. - Diversity 14,12: 1031; 14 pp.; DOI: 10.3390 /d14121031

Maroufpoor, M. / Moradi, F. (2022): The impact of temperature on predation rate of *Amblyseius swirskii* (Acari, Phytoseiidae) fed on *Tetranychus urticae* (Acari, Acaridae). - J. Entomol. Soc. Iran 42,2: 147-155

Masán, P. (2022): A new digamasellid mite of the subgenus *Longoseiulus* Lindquist (Acari, Mesostigmata) from Slovakia. - ZooKeys 1131: 59-70

Masán, P. (2022): The family Melicharidae (Acari, Mesostigmata) in Slovakia, with description of new species, annotated faunal synopsis and identification keys of species from Europe. - Zootaxa 5172 (1): 1-49

Mendoza, Y. / Santos, E. / Clavijo-Baquett, S. / Invernizzi, C. (2022): A reciprocal transplant experiment confirmed mite - resistance in a honey bee population from Uruguay. - Veter. Sci. 9: 596; 14 pp.; DOI: 10.3390 /vetsci9110596

Michereff-Filho, M. / Navia, D. / Quevedo, I.A. / Magalhaes, M.A. / Melo, J.W.S. / Lopes, R.B. (2022):* The effect of spider mite-pathogenic strains of *Beauveria bassiana* and humidity on the survival and feeding behavior of *Neoseiulus* predatory mite species. - Biol. Contr. 176,3: 105083; DOI: 10.1016 /j.biocontrol.2022.105083

Mikawa, Y. / Aizawa, M. / Mori, K. / Toyama, M. / Sonoda, S. (2022): Molecular verification of commercialized *Neoseiulus californicus* (McGregor) settlement before spider mite appearance in a Japanese pear orchard. - Syst. Appl. Acarol. 27,12: 2403-2413

Mitton, G.A. / Arcerito, F.M. / Cooley, H. / De Landa, G.F. / Eguaras, M.J. / Ruffinengo, S.R. / Maggi, M.D. (2022):* More than sixty years living with *Varroa destructor*: a review of acaricide resistance. - Intern. J. Pest Manag.; DOI: 10.1080 /09670874.2022.2094489

Mortezapour, K. / Golpayegani, A.Z. / Saboori, A. / Mohammadi, H. (2022): *Tetranychus urticae* (Acari, Tetranychidae) male defensive behavior against *Phytoseiulus persimilis* (Acari, Phytoseiidae). - Persian J. Acarol. 11,4: 671-680

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

Pan, K. / Xin, T. / Chen, Y. / Wang, H. / Wen, K. / Liu, Y. / Li, Z. / Zou, Z. / Xia, B. (2022): Age-stage, two-sex life table and functional response of *Amblyseius orientalis* (Acari, Phytoseiidae) feeding on different nutrient sources. - Insects 13: 983; 15 pp.; DOI: 10.3390 /insects13110983

Papanikolaou, N.E. / Broufas, G.D. / Kypraios, T. / Liaka, T. / Pappas, M.L. (2022): Intraspecific interactions at high predator densities affect the predation efficiency of *Neoseiulus californicus* (Acari, Phytoseiidae) when prey density is low. - Ecol. Entomol. 47: 770-777

Pavan, A.M. / Da-Costa, T. / Schussler, M. / Ferla, N.J. / Johann, L. / Da Silva, G.L..(2023): Acarofauna associated with organic matter in laying aviaries of different rearing systems in Brazil. - Exp. Appl. Acarol. 90,3-4: 203-217

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

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.: 5317995; 13 pp.; DOI: 10.1155 /2022 /5317995

Pijnakker, J. / Hürriyet, A. / Petit, C. / Vangansbeke, D. / Duarte, M.V.A. / Arijs, Y. / Moerkens, R. / Sutter, L. / Maret, D. / Wäckers, F. (2022): Evaluation of phytoseiid and iolinid mites for biological control of the tomato russet mite *Aculops lycopersici* (Acari, Eriophyidae). - Insects 13: 1146; 13 pp.; DOI: 10.3390 /insects13121146

Posada-Flórez, F.J. / Abban, S.K. / Smith, I.B. / Cook, S.C. (2022): Development and evaluation of a new effective tool and method for assessing *Varroa destructor* (Acari, Varroidae) mite populations in honey bee colonies. - Insects 13: 457; 11 pp.; DOI: 10.3390 /insects13050457

Pourbahram, P. / Hajiqanbar, H. / Yazdanpanah, S. / Fathipour, Y. (2022): Generation-dependent demography and predation capacity of *Amblyseius swirskii* (Acari, Phytoseiidae) fed on saffron pollen. - Intern. J. Acarol. 48,8: 669-678

Rahimi, A. / Moradi, F. / Sadeghi, A. / Fathipour, Y. / Maroufpoor, M. (2022): Impact of constant temperatures on population characteristics of *Amblyseius swirskii* (Acari, Phytoseiidae). - Syst. Appl. Acarol. 27,9: 1775-1786

Rajaee, F. / Ghane-Jahromi, M. / Maroofpour, N. / Sedaratian-Jahromi, A. (2022): Sublethal effects of spiromesifen on life table traits of *Tetranychus urticae* (Acari, Tetranychidae) and *Neoseiulus californicus* (Acari, Phytoseiidae). - Acarologia 62,3: 772-785

Ripka, G. / Király, G. / Kontschán, J. / Szabó, A. / Kazmierski, A. (2022): Contributions to the knowledge of the plant-inhabiting mite fauna of Hungary and Austria (Acari: Parasitiformes and Acariformes). - Acta Phytopath. Entomol. Hung. 57,2: 189-214

Rosser, E. / Willden, S.A. / Loeb, G.M. (2022):* Effects of SmartWater, a fluorescent mark, on the dispersal, behavior, and biocontrol efficacy of *Phytoseiulus persimilis*. - Exp. Appl. Acarol. 87,2-3: 163-174

Rüster, V. / Werner, H. / Wieneke, S. / Avramidis, G. / ten Bosch, L. /Krause, E.T. /Strube, C. /Bartels,T. (2022): Short-time cold atmospheric pressure plasma exposure can kill all life stages of the poultry red mite, *Dermanyssus gallinae*, under laboratory conditions. - Exp. Appl. Acarol. 88,2: 139-152

Sabahi, Q. / Kelly, P.G. / Guzman-Novoa, E. (2022): Carvone and citral, two promising compounds for

controlling the honey bee ectoparasitic mite, *Varroa destructor*. - J. Appl. Entomol. 146: 1003-1010

Savchenko, E. / Lareschi, M. (2022): Integrative taxonomy reveals hidden diversity within the concept of a laelapine mite species (Mesostigmata, Laelapidae) associated with sigmodontine rodents (Cricetidae): description of three new species of *Laelaps* Koch in the Neotropical region. - Syst. Appl. Acarol. 27,12: 2426-2457

Schödl, I. / Odemer, R. / Becher, M.A. / Berg, S. / Otten, C. / Grimm, V. / Groeneveld, J. (2022): Simulation of *Varroa* mite control in honey bee colonies without synthetic acaricides: demonstration of good beekeeping practice for Germany in the beehave model. - Ecol. Evol. 12,11: e9456, 14 pp.; DOI: 10.1002 /ece3.9456

Schoeller, E.N. / McKenzie, C.L. / Osborne, L.S. (2022): Chilli thrips rose management using an *Amblyseius swirskii* or *Amblydromalus limonicus* (Acari, Phytoseiidae) pepper banker plant. - J. Appl. Entomol. 146: 1281-1292

Seniczak, A. / Seniczak, S. / Iturrondobeitia, J.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: e9530, 16 pp.; DOI: 10.1002 /ece3.9530

Sevin, S. / Bommuraj, V. / Chen, Y. / Afik, O. / Zarchin, S. / Barel, S. / Arslan, O.C. / Erdem, B. / Tutun, H. / Shimshoni, J.A. (2022): Lithium salts: assessment of their chronic and acute toxicities to honey bees and their anti-*Varroa* field efficacy. - Pest Manag. Sci. 78,11: 4507-4516

Shishehbor, P. / Rahmani-Piyani, A. / Riahi, E. (2022): Effects of different pollen diets in comparison to a natural prey, *Tetranychus turkestani* (Acari, Tetranychidae), on development, survival, and reproduction of *Euseius scutalis* (Acari, Phytoseiidae). - Syst. Appl. Acarol. 27,10: 2111-2122

Silva, D.E. / Do Nascimento, J.M. / Pavan, A.M. / Correa, L.L.C. / Bizarro, G.L. / Ferla, J.J. / Toldi, M. / Johann, L. / Ferla, N.J. (2022): Mite fauna abundance and composition on apples in southern Brazil. - Syst. Appl. Acarol. 27,11: 2139-2155

Stahlmann-Brown, P. / Hall, R.J. / Pragert, H. / Robertson, T. (2022): *Varroa* appears to drive persistent increases in New Zealand colony losses. - Insects 13: 589; 14 pp.; DOI: 10.3390/insects13070589

Stanyukovich, M.K. / Fedorov, D.D. (2022): Ectoparasites (Acari, Gamasina, Ixodidae; Insecta: Anoplura) of small mammals of the Cape Kartesh (BBS ZIN RAS, Karelia, Louch District). - Parasitologiya 56,3: 252-264

Stanyukovich, M.K. / Fedorov, D.D. / Aibulatov, S.V. (2022): New data on phoresia of *Gaeolaelaps debilis* (Ma, 1996) (Acari, Mesostigmata, Gamasina) on bloodsucking Diptera (Diptera, Ceratopogonidae, Culicidae, Simuliidae). - Parasitologiya 56,4: 330-334

Sun, L. / Liao, Z.-X. / Zheng, Y.-Q. / Chen, D.-S. / Gao, G.-G. / Chen, X. (2022): Effects of temperature on immature development of *Transeius montdorensis* (Schicha) (Acari, Phytoseiidae) fed on *Bemisia tabaci* Gennadius (Hemiptera, Aleyrodidae) biotype Q. - Syst. Appl. Acarol. 27,10: 2004-2011

Teski, A. / Bozsik, G. / Brunner, S. / Szöcs, G. (2022): Electrophysiological responses of *Varroa* mite to honey bee drone brood volatiles. - Acta Phytopath. Entomol. Hung. 57,2: 220-228

Tixier, M.-S. / Tabary, L. / Douin, M. (2022):* Drivers for mutation in amino acid sequences of two mitochondrial proteins (Cytb and COI) in Phytoseiidae mites (Acari: Mesostigmata). - Exp. Appl. Acarol. 88,1: 1-40

Toldi, M. / Ferla, N.J. / Silva, D.E. / De Andrade Rode, P. / De Azevedo Meira, A. / De Lillo, E. (2022): Could phytoseiid mites impair biological control of the invasive plant, *Ailanthus altissima*? - Acarologia 62,4: 892-897

Torres, E. / Hernández-Suárez, E. / Alvarez-Acosta, C. / Ferragut, F. (2022):* *Oligonychus perseae* Tuttle,

Baker & Abbatiello (Acari, Tetranychidae) population dynamics and associated phytoseiid mites (Acari, Phytoseiidae) in avocado orchards in the Canary Islands (Spain). - Intern. J. Acarol. 48,7: 551-563

Urbanowski, C.K. / Horodecki, P. / Kamczyc, J. / Skorupski, M. / Jagodzinski, A.M. (2022): Soil mite communities structure (Acari, Mesostigmata) during litter decomposition of seven tree species in pure Scots pine stands (*Pinus sylvestris* L.) growing on a reclaimed postindustrial area. - Land Degrad. Dev. 33: 3568-3593

Urbanowski, C.K. / Turczanski, K. / Andrzejewska, A. / Kamczyc, J. / Jagodzinski, A.M. (2022):* Which soil properties affect soil mite (Acari, Mesostigmata) communities in stands with various shares of European ash (*Fraxinus excelsior* L.)? - Appl. Soil Ecol. 180: 104633; DOI: 10.1016 /j.apsoil.2022.104633

Vázquez, M.M. / May, D. / Klompen, H. / De Moraes, G.J. (2022): Aspects of the biology, behavior and mating of *Uroactinia* sp. (Acari: Mesostigmata: Uropodina, Uroactiniidae). - Syst. Appl. Acarol. 27,11: 2258-2268

Vieira, J.J. / Johnson, C.L. / Varkonyi, E.M. / Ginsberg, H.S. / Picard, K.L. / Kiesewetter, M.K. / Alm, S.R. (2022):* Using surrogate insects in acid bioassays for development of new controls for *Varroa destructor* (Arachnida, Varroidae). - J. Econ. Entomol. 115,5: 1417-1422

Wei, X. / Shang, S. / Zhang, Z.-Q. (2022): Transgenerational effects of predation stress on prey survival, development, and offspring sex ratio: an experiment on *Tyrophagus putrescentiae* and predator *Neoseiulus cucumeris*. - Syst. Appl. Acarol. 27,10: 1878-1887

Witalinski, W. (2022): New *Leptogamasus* mite species (Parasitiformes, Parasitidae) from Europe. V. Romania. - Acarologia 62,4: 1171-1200

Wozniak, G. / Kamczyc, J. / Bierza, W. / Blonska, A. / Kompala-Baba, A. / Sierka, E. / Jagodzinski, A.M. (2022): Functional ecosystem parameters: Soil respiration and diversity of mite (Acari, Mesostigmata) communities after disturbance in a Late Cambrian bedrock environment. - Land Degrad. Dev. 33,17: 3343-3357

Xie, Z.Q. / Hoffmann, A.A. / Zhang, B. / Xu, X.N. (2022): Detection, detrimental effects, and transmission pathways of the pathogenic bacterium *Acaricomes phytoseiuli* in commercial predatory mites. - Microbiol. Spectr. 10,6: e02654-22; DOI: 10.1128 / spectrum.02654-22

Yang, H. / Yang, Z. / Chen, T. / Dong, W. (2022): Comparative analysis of tRNA genes in the mitochondrial genome of Parasitidae (Parasitiformes: Mesostigmata). - Intern. J. Acarol. 48,8: 645-653

Yao, M.-Y. / Chen, J.-X. / Yi, T.-C. / Guo, J.-J. / Jin, D.-C. (2022): Morphological description of ontogenetic stages in *Parasitus yuensis* Ma & Lin (Acari: Parasitiformes, Parasitidae). - Syst. Appl. Acarol. 27,11: 2269-2282

Yao, M.-Y. / Chen, J.-X. / Yi, T.-C. / Jin, D.-C. / Guo, J.-J. (2022): A new species of *Dyoneogamasus* Athias-Henriot, 1979 (Parasitiformes, Parasitidae) from China and redefinition of the genus. - Intern. J. Acarol. 48,7: 575-580

Yoshimura, T. / Mori, K. / Kishimoto, H. / Toyama, M. / Miyazaki, H. / Igarashi, K. (2022): Side effects of pesticides on *Neoseiulus californicus* (Acari, Phytoseiidae) - a comprehensive evaluation combined with directly exposed and residual toxicity. - Jpn. J. Appl. Entomol. Zool. 66,2: 31-43

Yu, H. / Wang, P. / Wang, C. / Wang, B. / He, J. / Sun, W. / Pan, B. / (2022):* A new method using quail (*Coturnix coturnix*) as a suitable host for laboratory rearing of *Dermanyssus gallinae*. - Exp. Parasitol. 243: 108422; DOI: 10.1016 /j.exppara.2022.108422

Yuan, L. / Osakabe, M. (2022): Mechanisms underlying the impact and interaction of temperature and UV-B on the hatching of spider mite and phytoseiid mite eggs. - Pest Manag. Sci. 78: 4314-4323

Zhang, K. / Zhang, Z.-Q. (2022): Social context during ontogeny affects cannibalism and kin recognition of the predatory mite *Amblyseius herbicolus* at different life stages. - Exp. Appl. Acarol. 88,3: 317-328

Zhang, K. / Zhang, Z.-Q. (2022): *Amblyseius herbicolus* mothers prefer to oviposit near eggs of non-kin in the absence of prey *Carpoglyphus lactis* (Acari, Phytoseiidae, Carpoglyphidae). - Syst. Appl. Acarol. 27,11: 2347-2354

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

Zhu, J.-Y. / Liu, J. / Qin, L. / Xiao, F. / Liu, J.-F. / Xiao, R. (2022): Learning behavior of *Neoseiulus californicus* (Acari, Phytoseiidae) can help in adapting from feeding on alternative prey to target prey. - Syst. Appl. Acarol. 27,10: 1957-1969

Zhu, R. / Guo, J. / Li, G. / Liu, R. / Yi, T. / Jin, D. (2022): Identification of potential sex determination genes and functional analyses in *Neoseiulus californicus* under prey stress. - Pest Manag. Sci. 78,11: 5024-5040

Zidan, I.M. / El-Saiedy, E.M.A.K. / Abou-Elella, G.M. / Hassan, M.F. (2022): Predatory mites, a green pesticide, and an entomopathogenic compound: A proposed IPM tactic based on pest species diversity indices and population dynamics. - Persian J. Acarol. 11,4: 731-752

Publications, additions 2021

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

Murata, S. / Taniguchi, A. / Isezaki, M. / Fujisawa, S. / Sakai, E. / Taneno, A. / Ichii, O. / Ito, T. / Maekawa, N. / Okagawa, T. / Konnai, S. / Ohashi, K. (2021): Characterisation of a cysteine protease from poultry red mites and its potential use as a vaccine for chickens. - Parasite 28: 9; 11 pp.; DOI: 10.1051 / parasite /2021005

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:

Steatonyssus pseudoheteroventralis Orlova & Anisimov, 2023 (*Page*: 226[1]) – TYPES: HT[2] - TSUMZ, PT[2] - TSMU[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

AFUM - **A**carology Collection, **F**aculty of Agriculture, **U**niversity of **M**aragheh, Maragheh, Iran

ALCU - **A**carology **L**aboratory, Department of Plant Protection, **C**ukurova **U**niversity, Adana, Turkey

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

BCKV - **B**idhan **C**handra **K**rishi **V**iswavidyalaya, Department of Agricultural Entomology, Mohanpur, West Bengal, India

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

CNP - **C**entro **N**acional **P**atagónico, Puerto Madryn, Chubut, Argentina

DBPU - **D**epartment of **B**iology of **P**amukkale **U**niversity, Denizli, Turkey

EBYU - Acarology Laboratory of **E**rzincan **B**inali **Y**ildririm **U**niversity, Erzincan, Turkey

EEZA-CSIC - **E**stación **E**xperimental de **Z**onas Áridas, Departamento de Ecología Funcional y Evolutiva, **C**onsejo **S**uperior de **I**nvestigaciones **C**ientíficas, Almeria, Spain

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

ESAM - **E**gyptian **S**ociety of **A**carology **M**useum, Zoology and Agricultural Nematology Department, Cairo University, Giza Governorate, Egypt

FDAC - **F**lorida **D**epartment of **A**griculture and **C**onsumer Services, Gainesville, USA

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

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

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

IBSP - **I**nstituto **B**utantan, **S**ao **P**aulo, Brazil

ICN - **I**nstituto de **C**iencias **N**aturales de la Universidad Nacional de Colombia, Bogotá, Colombia

IIBZSD - **I**nstituto de **I**nvestigaciones **B**otánicas y **Z**oológicas, Universidad Autónoma de **S**anto **D**omingo, Santo Domingo, Dominican Republic

IZSAS - **I**nstitute of **Z**oology, **S**lovak **A**cademy of **S**ciences, Bratislava, Slovakia

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

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

MHNG - **M**uséum d'**H**istoire **N**aturelle **G**enèva, Switzerland

MLP - **M**useo de **L**a **P**lata, Entomological Collection, Buenos Aires, Argentina

MNHNSD - **M**useo **N**acional de **H**istoria **N**atural "Prof. Eugenio de Jesús Marcano", **S**anto **D**omingo, Dominican Republic

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

Paulo, Brazil

MZUNAV - **M**useum of **Z**oology, **UN**iversity of **NA**varra, Pamplona, Spain

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

NECJU - **N**ature **E**ducation **C**entre, **J**agiellonian **U**niversity, Kraków, Poland

NHML - **N**atural **H**istory **M**useum, Department of Entomology, **L**ondon, United Kingdom

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

NZC - **N**ational **Z**oological **C**ollection, Zoological Survey of India, Kolkata, India

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

SIZK - I.I. **S**chmalhausen **I**nstitute of **Z**oology, National Academy of Sciences of Ukraine, **K**iev, Ukraine

SNU - **S**eoul **N**ational **U**niversity, Laboratory of Insect Biosystematics, Seoul, Republic of Korea

TSMU - **T**yumen **S**tate **M**edical **U**niversity, Tyumen, Russia

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

UASK - All India Network Project on Agricultural Acarology, **U**niversity of **A**gricultural **S**cience, **K**arnatake, Department of Agricultural Entomology, India

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

UFRPE - **U**niversidade **F**ederal **R**ural de **PE**rnambuco, Recife, Brazil

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

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

ZSI - **Z**oological **S**urvey of **I**ndia, National Zoological Collection, Kolkata, West Bengal, India

New species

Allozercon leytensis Klompen & Gerdeman, 2023 (Page: 37) – TYPES: HT + PT - UPLB, PT - OSAL

Amblyseiulella cancellatus Kar & Karmakar, 2022 (Page: 206) – TYPES: HT - NZC, PT - BCKV

Amblyseiulella gangtokiensis Kar & Karmakar, 2022 (Page: 208) – TYPES: HT - NZC, PT - BCKV

Amblyseius andamanicus Karmakar & Biswas, 2023 (Page: 35) – TYPES: HT + PT - ZSI

Amblyseius lanceae Kar & Karmakar, 2022 (Page: 202) – TYPES: HT - NZC, PT - BCKV

Amblyseius reticulatus Karmakar & Biswas, 2023 (Page: 36) – TYPES: HT + PT - ZSI

Amyzozercon chocoensis Klompen & Gerdeman, 2023 (Page: 256) – TYPES: HT + PT - OSAL, PT - ICN, FMNH

Angulobaloghia badangi Kontschán & Ermilov, 2023 (Page: 256) – TYPES: HT + PT - MHNG

Angulobaloghia nabau Kontschán & Ermilov, 2023 (Page: 254) – TYPES: HT + PT - MHNG

Antennoseius brasiliensis Martin & Castilho, 2023 (Page: 1379) – TYPES: HT + PT - ESALQ/USP

Arrenoseius lofegoi Camargo Barbosa & Demite, 2023 (Page: 50) – TYPES: HT + PT - MZLQ

Cheiroseius arboricola Masán, 2023 (Page: 462) – TYPES: HT + PT - IZSAS

Chelaseius pluridentatus Borges, Moraes & Castilho, 2023 (Page: 413) – TYPES: HT + PT - ESALQ/USP

Dendrolaelaps lignicolus Mohammadi & Hajizadeh, 2023 (Page: 55) – TYPES: HT + PT - ALUG, PT - JAZM

Dyoneogamasus serratus Yao & Jin, 2022 (Page: 576) – TYPES: HT + PT - GUGC

Ecuazercon cushuimensis Klompen & Gerdeman, 2023 (Page: 25) – TYPES: HT + PT - FMNH, PT - OSAL

Endopodoseius edmilsoni Abo-Shnaf & Castilho, 2023 (Page: 260) – TYPES: HT + PT - ESALQ/USP

Endopodoseius erikae Abo-Shnaf & Marticorena, 2023 (Page: 251) – TYPES: HT + PT - ESALQ/USP

Endopodoseius zaheri Abo-Shnaf & Moraes, 2023 (Page: 255) – TYPES: HT + PT - ESALQ/USP, PT - ESAM

Euseius jhinukae Karmakar & Biswas, 2023 (Page: 39) – TYPES: HT + PT - ZSI

Euseius madhubanensis Karmakar & Biswas, 2023 (Page: 40) – TYPES: HT + PT - ZSI

Euseius tubuliferus Kar & Karmakar, 2022 (Page: 211) – TYPES: HT - NZC, PT - BCKV

Gaeolaelaps leptaulax Oh, Lee & Joharchi, 2023 (Page: 678) – TYPES: HT + PT - NIBR, PT - SNU

Galendromus (Mugidromus) agreste Silva, Gondim & Demite, 2023 (Page: 260) – TYPES: HT + PT - UFRPE, PT - UNESP

Gamasellodes brevisetus Joharchi, Makarova & Khaustov, 2023 (Page: 140) – TYPES: HT + PT - TSUMZ

Graminoseius (Alustoseius) altimontanus Kolodochka, 2022 (Page: 470) – TYPES: HT - ZISP

Lasioseius triplax Masán, 2023 (Page: 24) – TYPES: HT - IZSAS

Lasioseius verruciger Masán, 2023 (Page: 30) – TYPES: HT + PT - IZSAS

Holostaspis intermedia Joharchi, 2023 (Page: 278) – TYPES: HT + PT - TSUMZ

Holostaspis macrodactyla Joharchi, 2023 (Page: 283) – TYPES: HT + PT - TSUMZ

Laelaps galliarii Savchenko & Lareschi, 2022 (Page: 2438) – TYPES: HT + PT - CNP, PT - MLP

Laelaps odysseos Savchenko & Lareschi, 2022 (Page: 2447) – TYPES: HT + PT - CNP

Laelaps scapteromyos Savchenko & Lareschi, 2022 (Page: 2444) – TYPES: HT + PT - CNP, PT - MLP

Lasioseius (Endopodalius) ibericus Moraza & Balanzategui, 2023 (Page: 607) – TYPES: HT + PT - EEZA-CSIC, PT - MZUNAV, CNC

Lasioseius boleti Masán, 2023 (Page: 90) – TYPES: HT + PT - IZSAS

Leptogamasus gurghiuensis Witalinski, 2022 (Page: 1180) – TYPES: HT + PT - NECJU

Leptogamasus holdaensis Witalinski, 2022 (Page: 1186) – TYPES: HT + PT - NECJU

Leptogamasus horribilis Witalinski, 2022 (Page: 1193) – TYPES: HT + PT - NECJU

Leptogamasus ojdulaensis Witalinski, 2022 (Page: 1172) – TYPES: HT + PT - NECJU

Longoseius disparisetus Masán, 2022 (Page: 61) – TYPES: HT + PT - IZSAS

Macronyssus temujini Orlova & Anisimov, 2023 (Page: 219) – TYPES: HT - TSUMZ

Metacryptoseius samanii Joharchi & Tavakal, 2022 (Page: 78) – TYPES: HT + PT - TSUMZ

Micherdzinskiiobovella petofii Kontschán & Ermilov, 2023 (Page: 131) – TYPES: HT + PT - MHNG

Mycomelichares triplacis Masán, 2022 (Page: 13) – TYPES: HT + PT - IZSAS

Neoparaphytoseius moraesi Ferragut, 2022 (Page: 1219) – TYPES: HT + PT - ESALQ/USP

Neoseiulus neoagrestis Khaustov & Döker, 2022 (Page: 2041) – TYPES: HT + PT - TSUMZ, PT - ALCU

Neoseiulus hexaporus Döker, Demard, Bolton & Quershi, 2023 (Page: 2) – TYPES: HT + PT - ALCU, PT - FDAC

Neoseiulus neoagrestis Khaustov & Döker, 2022 (Page: 32) – TYPES: HT + PT - TSUMZ, PT - ALCU

Neoseiulus pseudomarginatus Döker, Stathakis & Kolodochka, 2023 (Page: 830) – TYPES: HT + PT - SIZK

Neoseiulus ramabettaensis Döker & Jose, 2023 (Page: 784) – TYPES: HT - UASK

Nidilaelaps cubaensis Joharchi & Ermilov, 2023 (Page: 250) – TYPES: HT + PT - TSUMZ

Okiseius pahari Kar & Karmakar, 2022 (Page: 213) – TYPES: HT - NZC, PT - BCKV

Onchodellus acrophilus Özbek, 2023 (Page: 287) – TYPES: HT + PT - EBYU

Onchodellus circularis Özbek, 2023 (Page: 289) – TYPES: HT + PT - EBYU

Onchodellus kosenis Özbek, 2023 (Page: 291) – TYPES: HT + PT - EBYU

Paraamblyseius ranipoolensis Kar & Karmakar, 2022 (Page: 218) – TYPES: HT - NZC, PT - BCKV

Paragigagnathus jazanensis Kamran, Mushtaq & Alatawi, 2023 (Page: 24) – TYPES: HT + PT - KSMA

Paragigagnathus neodesertorumus Kamran, Mushtaq & Alatawi, 2023 (Page: 21) – TYPES: HT + PT - KSMA

Paraseiulus pseudoincognitus Khaustov V. & Döker, 2023 (Page: 1244) – TYPES: HT + PT - TSUMZ

Phytoseius ferrum Kar & Karmakar, 2022 (Page: 221) – TYPES: HT - NZC, PT - BCKV

Platyphis montreuili Joharchi & Halliday, 2023 (Page: 199) – TYPES: HT + PT - TSUMZ

Proctolaelaps appendiculatus Masán, 2022 (Page: 34) – TYPES: HT + PT - IZSAS

Proctolaelaps bivalvifer Masán, 2022 (Page: 69) – TYPES: HT + PT - IZSAS

Proctolaelaps bombi Masán, 2022 (Page: 46) – TYPES: HT + PT - IZSAS

Proctolaelaps bucinator Masán, 2022 (Page: 52) – TYPES: HT + PT - IZSAS

Proctolaelaps calycinus Masán, 2022 (Page: 57) – TYPES: HT + PT - IZSAS

Proctolaelaps carnifex Masán, 2022 (Page: 70) – TYPES: HT + PT - IZSAS

Proctolaelaps conifericola Masán, 2022 (Page: 35) – TYPES: HT + PT - IZSAS

Proctolaelaps coralifer Masán, 2022 (Page: 36) – TYPES: HT + PT - IZSAS

Proctolaelaps cryptopteryx Masán, 2022 (Page: 61) – TYPES: HT + PT - IZSAS

Proctolaelaps dendroctonoides Masán, 2022 (Page: 27) – TYPES: HT + PT - IZSAS

Proctolaelaps dorci Masán, 2022 (Page: 58) – TYPES: HT + PT - IZSAS

Proctolaelaps dorcisimilis Masán, 2022 (Page: 60) – TYPES: HT + PT - IZSAS

Proctolaelaps elcotoy Gómez-Moya & Martin, 2023 (Page: 857) – TYPES: HT – ESALQ/USP, PT – IIBZSD, PT - MNHNSD

Proctolaelaps fagi Masán, 2022(Page: 30) – TYPES: HT + PT - IZSAS

Proctolaelaps falcarius Masán, 2022 (Page: 54) – TYPES: HT + PT - IZSAS

Proctolaelaps fragilis Masán, 2022 (Page: 62) – TYPES: HT + PT - IZSAS

Proctolaelaps fusifer Masán, 2022 (Page: 39) – TYPES: HT + PT - IZSAS

Proctolaelaps hemisphaericus Masán, 2022 (Page: 85) – TYPES: HT + PT - IZSAS

Proctolaelaps laeviusculus Masán, 2022 (Page: 42) – TYPES: HT + PT - IZSAS

Proctolaelaps myrmecophilus Masán, 2022 (Page: 63) – TYPES: HT + PT - IZSAS

Proctolaelaps orolaelapoides Masán, 2022 (Page: 90) – TYPES: HT + PT - IZSAS

Proctolaelaps oxyodon Masán, 2022 (Page: 55) – TYPES: HT + PT - IZSAS

Proctolaelaps pcolai Masán, 2022 (Page: 43) – TYPES: HT + PT - IZSAS

Proctolaelaps pelticola Masán, 2022 (Page: 91) – TYPES: HT + PT - IZSAS

Proctolaelaps populi Masán, 2022 (Page: 33) – TYPES:

HT + PT - IZSAS

Proctolaelaps quadridens Masán, 2022 (Page: 64) – TYPES: HT + PT - IZSAS

Proctolaelaps sacculiger Masán, 2022 (Page: 65) – TYPES: HT + PT - IZSAS

Proctolaelaps sagittarius Masán, 2022 (Page: 74) – TYPES: HT + PT - IZSAS

Proctolaelaps serpentarius Masán, 2022 (Page: 68) – TYPES: HT + PT - IZSAS

Proctolaelaps spanius Masán, 2022 (Page: 95) – TYPES: HT + PT - IZSAS

Proctolaelaps speluncarum Masán, 2022 (Page: 75) – TYPES: HT + PT - IZSAS

Proctolaelaps tubisaccus Masán, 2022 (Page: 76) – TYPES: HT + PT - IZSAS

Proctolaelaps tulipifer Masán, 2022 (Page: 56) – TYPES: HT + PT - IZSAS

Proctolaelaps vanharteni Ueckermann, 2023 (Page: 11) – TYPES: HT + PT - NCA-PPRI

Proctolaelaps zaheri Abo-Shnaf & Moraes, 2023 (Page: 18) – TYPES: HT + PT - NCA-PPRI

Rhinonyssus nenecoi Gastal, Mascarenhas & Bugoni, 2023 (Page: 271) – TYPES: HT + PT - IBSP

Rotundabaloghia (Circobaloghia) parameswaraia Kontschán & Ermilov, 2023 (Page: 405) – TYPES: HT + PT - MHNG

Rotundabaloghia (Circobaloghia) rafflesi Kontschán & Ermilov, 2023 (Page: 408) – TYPES: HT + PT - MHNG

Schwendingeriella tapanensis Kontschán & Ermilov, 2022 (Page: 1912) – TYPES: HT + PT - MHNG

Serraseius nordestinus Araújo & Oliveira, 2023 (Page: 523) – TYPES: HT + PT - ESALQ/USP, PT - UESC

Spinturnix otonycterisi Dundarova & Orlova, 2022 (Page: 444) – TYPES: HT + PT - TSUMZ

Spinturnix senkevitchi Orlova & Anisimov, 2023 (Page: 212) – TYPES: HT - TSUMZ, PT - TSMU

Steatonyssus pseudoheteroventralis Orlova & Anisimov, 2023 (Page: 226) – TYPES: HT - TSUMZ, PT - TSMU

Trachyibana kozari Kontschán & Ermilov, 2023 (Page: 35) – TYPES: HT - MHNG

Trigonuropoda (Latipilitrigon) foliata Gwiazdowicz, Babaeian & Ermilov, 2023 (Page: 120) – TYPES: HT + PT - NHML

Typhlodromips ovametapodalis Ferragut, 2022 (Page: 1244) – TYPES: HT + PT - ESALQ/USP

Typhlodromus (Anthoseius) himaliniae Kar & Karmakar, 2022 (Page: 224) – TYPES: HT - NZC, PT - BCKV

Typhlodromus (Anthoseius) kanchanjanghai Kar & Karmakar, 2022 (Page: 227) – TYPES: HT - NZC, PT - BCKV

Typhlodromus tulinae Döker, 2023 (Page: 357) – TYPES: HT + PT - ALCU

Typhloseiulus anatolicus Döker, 2023 (Page: 554) – TYPES: HT + PT - ALCU

Ueckermannseius samudricus Karmakar & Biswas, 2023 (Page: 42) – TYPES: HT + PT - ZSI

Uropodella hoffeinsorum Lindquist & Vorontsov, 2023 (Page: 347) – TYPES: HT - GPIH

Zercon ahadiyati Mohammad-Doustaresharaf, Karaca, Bagheri & Urhan, 2023 (Page: 441) – TYPES: HT + PT - AFUM

Zercon azerbaijanensis Mohammad-Doustaresharaf, Karaca, Bagheri & Urhan, 2023 (Page: 444) – TYPES: HT + PT - AFUM

Zercon dilekensis Urhan & Karaca, 2023 (Page: 26) – TYPES: HT + PT - DBPU

Zercon dogani Bilki, Urhan & Karaca, 2022 (Page: 92) – TYPES: HT + PT - DBPU

Zercon marmarisensis Bilki, Urhan & Karaca, 2022 (Page: 94) – TYPES: HT + PT - DBPU

Zercon muglaensis Bilki, Urhan & Karaca, 2022 (Page: 98) – TYPES: HT + PT - DBPU

Zercon tabrizensis Mohammad-Doustaresharaf, Karaca,

Bagheri & Urhan, 2023 (Page: 448) – TYPES: HT + PT - AFUM

Zercoseius luizdequeirozi Santos, Borges & Castilho, 2023 (Page: 272) – TYPES: HT + PT - ESALQ/USP

New genera

Amyzozercon Klompen & Gerdeman, 2023 (Page: 21) – Typ. sp.: *Amyzozercon chocoensis* Klompen & Gerdeman, 2023

Ecuazercon Klompen & Gerdeman, 2023 (Page: 23) – Typ. sp.: *Ecuazercon cushuimensis* Klompen & Gerdeman, 2023

Platyphis Joharchi & Halliday, 2023 (Page: 196) – Typ. sp.: *Platyphis montreuili* Joharchi & Halliday, 2023

Schwendingeriella Kontschán & Ermilov, 2022 (Page: 1912) – Typ. sp.: *Schwendingeriella tapanensis* Kontschán & Ermilov, 2022

New subgenera

Graminoseius (Alustoseius) Kolodochka, 2022 (Page: 468) – Typ. sp.: *Amblyseius alustoni* Livschitz & Kuznetsov, 1972

New combinations

Alloparasitus obscuroides (Costa, 1968) – [Moraes, Moreira, Freire, Beaulieu, Klompen & Halliday, 2022: 127]

Allozercon audax (Berlese, 1910) – [Klompen & Gerdeman, 2023: 37]

Allozercon (Philippinozercon) (Gerdeman, Garcia, Herczak & Klompen, 2018) – [Klompen & Gerdeman, 2023: 40]

Allozercon (Philippinozercon) makilingensis (Gerdeman, Garcia, Herczak & Klompen, 2018) – [Klompen & Gerdeman, 2023: 40]

Andolaelaps natricis (Feider & Solomon, 1960) – [Moraes, Moreira, Freire, Beaulieu, Klompen & Halliday, 2022: 165]

Androlaelaps braziliensis (Ewing, 1925) – [Moraes, Moreira, Freire, Beaulieu, Klompen & Halliday, 2022: 135]

Androlaelaps bresslaui (Fonseca, 1935) – [Moraes, Moreira, Freire, Beaulieu, Klompen & Halliday, 2022: 135]

Androlaelaps jindaochaoi (Bai, Yan & Gao, 2013) – [Moraes, Moreira, Freire, Beaulieu, Klompen & Halliday, 2022: 157]

Androlaelaps modestus (Reitblat, 1967) – [Moraes, 2022: 163]

Androlaelaps spegazzinii (Berlese, 1923) – [Moraes, Moreira, Freire, Beaulieu, Klompen & Halliday, 2022: 174]

Androlaelaps talpae (Oudemans, 1903) – [Moraes, Moreira, Freire, Beaulieu, Klompen & Halliday, 2022: 176]

Androlaelaps turcmenicus (Meledzhayeva, 1963) – [Moraes, Moreira, Freire, Beaulieu, Klompen & Halliday, 2022: 175]

Bistocktrachys extremica (Kontschán & Starý, 2013) – [Kontschán & Ermilov, 2023: 23]

Bistocktrachys kiewensis (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 23]

Bistocktrachys myrmecophila (Wisniewski & Hirschmann, 1992) – [Kontschán & Ermilov, 2023: 23]

Bistocktrachys plagiata (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 23]

Bistocktrachys zicsii (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 24]

Castritrachys quadriauricularis (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 24]

Cephalojanetia multituberculata (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 25]

Cephalojanetia tuberosa (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 25]

Cephalouropoda alapaducta (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 25]

Cristicepstrachys sinuata (Berlese, 1904) – [Kontschán & Ermilov, 2023: 26]

Excavatatrachys auricularia (Costa, 1962) – [Kontschán & Ermilov, 2023: 27]

Excavatatrachys longicornuta (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 27]

Excavatatrachys longicornutasimilis (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 27]

Excavatatrachys poppi (Hirschmann & Zirngiebl-Nicol, 1969) – [Kontschán & Ermilov, 2023: 27]

Excavatatrachys quadricornuta (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 27]

Excavatatrachys sellnicki (Hirschmann & Zirngiebl-Nicol, 1969) – [Kontschán & Ermilov, 2023: 27]

Graecatrachys bali (Kontschán & Starý, 2013) – [Kontschán & Ermilov, 2023: 28]

Graecatrachys endrodyi (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 28]

Graecatrachys ghanaensis (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 28]

Graecatrachys mesofovea (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 28]

Graecatrachys mesofoveasimilis (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 28]

Graecatrachys represa (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 28]

Graecatrachys rufipes (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 29]

Graminaseius lituatus (Athias-Henriot, 1961) – [Kolodochka, 2022: 466]

Graminoseius (Alustoseius) alustoni (Livschitz & Kuznetsov, 1972) – [Kolodochka, 2022: 468]

Magnatrachys dacica (Hutu, 1973) – [Kontschán & Ermilov, 2023: 31]

Magnatrachys imperforata (Berlese, 1904) – [Kontschán & Ermilov, 2023: 32]

Magnatrachys mexicana (Berlese, 1976) – [Kontschán & Ermilov, 2023: 32]

Magnatrachys pecinai (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 32]

Magnatrachys schusteri (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 32]

Magnatrachys schusterisimilis (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 32]

Micherdzinskiiobovella japonica (Hiramatsu & Hirschmann, 1977) – [Kontschán & Ermilov, 2023: 129]

Micherdzinskiiobovella levigata (Hirschmann & Hiramatsu, 1990) – [Kontschán & Ermilov, 2023: 130]

Micherdzinskiiobovella makilingensis (Hirschmann & Hiramatsu, 1990) – [Kontschán & Ermilov, 2023: 130]

Micherdzinskiiobovella mitakensis (Hiramatsu & Hirschmann, 1977) – [Kontschán & Ermilov, 2023: 130]

Micherdzinskiiobovella multisetosa (Kontschán & Starý, 2011) – [Kontschán & Ermilov, 2023: 131]

Micherdzinskiiobovella pauxilla (Hiramatsu, 1981) – [Kontschán & Ermilov, 2023: 130]

Micherdzinskiiobovella pauxillaoides (Hirschmann, 1981) – [Kontschán & Ermilov, 2023: 130]

Micherdzinskiiobovella similimitakensis (Hirschmann, 1981) – [Kontschán & Ermilov, 2023: 130]

Micherdzinskiiobovella topali (Hirschmann, 1981) – [Kontschán & Ermilov, 2023: 131]

Proctolaelaps biebrzae (Gwiazdowicz, 2005) – [Masán, 2022: 26]

Trogulotrachys ablesi (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 40]

Trogulotrachys celtica (Halbert, 1907) – [Kontschán & Ermilov, 2023: 40]

Trogulotrachys hirschmanni (Pecina, 1980) – [Kontschán & Ermilov, 2023: 40]

Trogulotrachys kinsella (Kontschán, 2010) – [Kontschán & Ermilov, 2023: 41]

Trogulotrachys michaeli (Ewing, 1909) – [Kontschán & Ermilov, 2023: 41]

Trogulotrachys willmanni (Hirschmann & Zirngiebl-Nicol, 1969) – [Kontschán & Ermilov, 2023: 41]

Urojanetia baloghi (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 42]

Urojanetia baloghisimilis (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 42]

Urojanetia belunensis (Lombardini, 1962) – [Kontschán & Ermilov, 2023: 42]

Urojanetia hexaspinosa (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 42]

Urojanetia mahunkai (Hirschmann, 1976) – [Kontschán & Ermilov, 2023: 42]

Urojanetia similicoccinea (Hiramatsu, 1979) – [Kontschán & Ermilov, 2023: 43]

Urotrachytes formicariasimilis (Hirschmann, 1975) – [Kontschán & Ermilov, 2023: 44]

Urotrachytes ponticuli (Karg, 1989) – [Kontschán & Ermilov, 2023: 44]

New synonyms

Paraseiulus inobservatus Kolodochka, 1983 – [Khaustov, Döker, Joharchi & Khaustov, 2023: 1254] = Paraseiulus xiningensis Chen & Chu, 1980

Paraseiulus trimediosetus (Xin, Liang & Ke, 1980 – [Khaustov, Döker, Joharchi & Khaustov, 2023: 1254] = Paraseiulus xiningensis Chen & Chu, 1980

Paraseiulus intermixtus Kolodochka, 1983 – [Khaustov, Döker, Joharchi & Khaustov, 2023: 1240] = Paraseiulus soleiger (Ribaga, 1904)

Proctolaelaps arctorotundus Nikolsky, 1984 – [Masán, 2022: 82] = Proctolaelaps epuraeae (Hirschmann, 1963)

Proctolaelaps debensis Jordaan & Loots, 1987 – [Ueckermann, Faraji, Simoni, Guidi, Moraes & Abo-Shnaf, 2023: 16] = Proctolaelaps aegyptiacus Nasr, 1986

Proctolaelaps pruni Karg, 1988 – [Masán, 2022: 29] = Proctolaelaps eccoptogasteris (Vitzthum, 1923)

Proctolaelaps pseudofiseri Nikolsky, 1984 – [Masán, 2022: 31] = Proctolaelaps fiseri Samsinak, 1960

Proctolaelaps ventrianalis Karg, 1971 – [Masán, 2022: 86] = Proctolaelaps intermedius Athias-Henriot, 1959

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