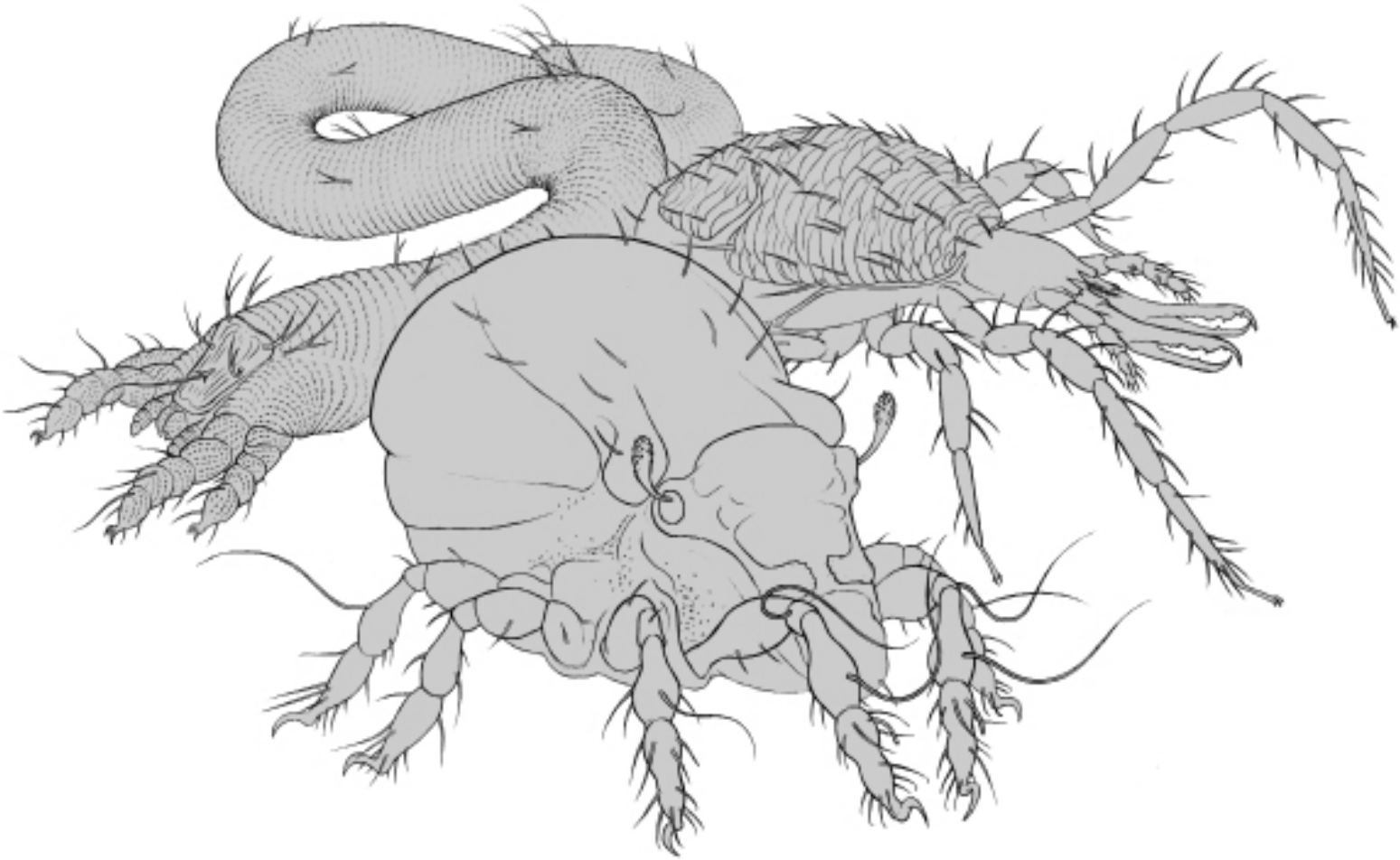
SENCKENBERG

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

Actinedida No. 22

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 30 July 2023
Published 31 November 2023

In ACARI - Bibliographia Acarologica each year are compiled the internationally available papers published on Mesostigmata, Oribatida and Actinedida, as far as they have come to our knowledge. In this bibliography on the Actinedida the family Eriophyidae and the paraphyletic "Hydracarina" are excluded because literature databanks of these groups are available elsewhere.

In the present volume of Actinedida are included 334 titles and 111 new described species and genera. The majority of the articles concern ecology (60 %), taxonomy (25 %), faunistics (11 %) and biology (5 %). The databank of acarological literature of Actinedid mites cited in ACARI has now accumulated 10,195 papers on 4,790 species. The databank as well as previous issues of ACARI can be accessed via **http://www.senckenberg.de/Acari**.

Scans or pdf of the majority of cited papers are present in the Section Arachnida of the Senckenberg Museum of Natural History in Görlitz. We expressly thank all authors who have assisted us and sent pdf or scans of their papers. As with any journal, mistakes and omissions are unavoidable therefore critique and suggestions are welcome and explicitly called for. Please inform us if we have failed to list any of your publications in the Bibliographia and we will include them in later volume.

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 2024

Abdel Ghania, S.B. / Al-Azzazy, M.M. / Alhewairini, S.S. / Al-Deghairi, M.A. (2024): The miticidal activity of silver nanoparticles towards date palm mite (*Oligonychus afrasiaticus* (McGregor)): efficacy, selectivity, and risk assessment. - Braz. J. Biol. 84: e261262; 8 pp.; DOI: 10.1590/1519-6984.261262

Alhewairini, S.S. (2024): Toxicity evaluation of oxamyl against tomato russet mite, *Aculops lycopersici* (Massee) (Acari: Eriophyideae) and two spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae) under greenhouse conditions. - Braz. J. Biol. 84: e253469; 6 pp.; DOI: 0.1590/1519-6984.253469

Publications 2023

Abdellatif, A.S. / Afifi, A.-A.M. / Mahmoud, A.M.A. / Ahmed, M.M. (2023): Efficiency of some commercial stimulants in inducing tomato resistance to *Tetranychus urticae* (Acari: Tetranychidae). - Persian J. Acarol. 12,1: 101-120

Abubakar, M. / Umer, A. / Shad, S.A. / Sarwar, Z.M. / Kamran, M. (2023):* Negative impact of unstable

spiromesifen resistance on fitness of *Tetranychus urticae* (Acari: Tetranychidae). - Neotrop. Entomol. 52: 772-780

Adly, D. (2023): Evaluate the efficiency of releasing two predatory species at their optimal temperature for controlling *Tetranychus urticae* (Acari: Tetranychidae) in a croton greenhouse. - Persian J. Acarol. 12,2: 315-326

Akyol, M. (2023): *Stigmaeus quercus* (Acari: Stigmaeidae), a new species from Manisa province, Türkiye. - Syst. Appl. Acarol. 28,2: 167-172

Akyol, M. (2023): The first description of male of *Raphignathus arcus* Akyol (Acari: Raphignathidae) and a variation in the number of genital setae of its a female. - Acarol. Stud. 5,1: 42-44

Alghamdi, S.Q. / Alkathiry, H.A. / Stekolnikov, A.A. / Alagaili, A.N. / Makepeace, B.L. (2023): Additions to the chigger mite fauna (Acariformes: Trombiculidae) of Saudi Arabia, with the description of a new species. - Acarologia 63,1: 3-23

André, H.M. (2023): *Lorryia* (Acariformes, Tydeidae): The evolutionary plasticity of an enigmatic genus. - Acarologia 63,3: 844-855

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

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: 102471; 7 pp.; DOI: 10.1016/j.jksus.2022.102471

Auger, P. / Garrigue, J. / Fossoud, A. / Migeon, A. (2023): Spider mites (Acariformes, Tetranychidae) of the Massane Nature Reserve (France). - Acarologia 63,2: 306-345

Auger, P. / Navia, D. / Migeon, A. (2023): Three new alien spider mites (Prostigmata, Tetranychidae) from south-eastern France. - Acarologia 63,3: 826-833

Ávalos-Cerdas, J.M. / Otero-Colina, G. / Ochoa-Martinez, D.L. / Villegas-Monter, A. / Bautista-Martínez, N. / Suárez-Espinosa, J. / Carrillo-Benitez, M.G. / Tassi, A.D. / Ochoa, R. / Valdez Carrasco, J.M. (2023): Characterization of an aberrant population of *Brevipalpus californicus* and its role as a vector of citrus leprosis viruses. - Acarologia 63 (Suppl.): 45-68

Azadi-Aliabadi N. / Vahedi, H. / Darbemamieh, M. (2023): Fauna of prostigmatic mites (Prostigmata) associated with scale insects (Coccoidea) in Kermanshah county. - J. Appl. Res. Plant Prot. 12,1: 71-76

Azandémè-Hounmalon, G.Y. / Toutopa, D. / Onzo, A. / Gnanvossou, D. / Bokonon-Ganta, A. / Tamò, M. (2023):* Comparative efficacy of three pesticides against the tomato red spider mite *Tetranychus evansi* Baker & Pritchard under laboratory conditions. - Intern. J. Trop. Ins. Sci. 43,1: 267-275

Balci, M.H. / Ay, R. (2023):* Effects of some insecticides on the biological parameters of *Tetranychus urticae* Koch (Acari: Tetranychidae). - Intern. J. Trop. Ins. Sci. 43,2: 485-493

Barbar, Z. / Parker, B.L. / Skinner, M. (2023): New records of Erythraeidae mites (Acari: Trombidiformes) from Syria with additional morphological data on some species. - Persian J. Acarol. 12,2: 363-370

Bassini-Silva, R. / Acuna, F. / Welbourn, C. / Ochoa, R. / Barros-Battesti, D.M. / Jacinavicius, F.C. (2023):* *Eutrombicula cochinocaensis* n. sp.: a chigger (Trombidiformes: Trombiculidae) parasite of camelids (Cetartiodactyla: Camelidae) in Argentina. - Intern. J. Acarol. 49,1: 67-72

Bing, X.-L. / Xia, C.-B. / Ye, Q.-T. / Gong, X. / Cui, J.-R. / Peng, C.-W. / Hong, X.-Y. (2023): *Wolbachia* manipulates reproduction of spider mites by influencing herbivore salivary proteins. - Pest Manag. Sci. 79: 315-323

Biswajit, P. / Hath, T.K. (2023):* Resistance status and activity of detoxifying enzymes in *Oligonychus coffeae* (Nietner) (Acari: Tetranychidae) on tea. - Crop Prot. 167: 106201; DOI: 10.1016/j.cropro.2023.106201

Briozo, M.E.O. / Silva, J.F. / Ferraz, J.C.B. / Silva, P.R.R. / Melo, J.W.S./ De Franca, S.M. (2023): Biology and life table of *Tetranychus neocaledonicus* André (1933) (Acari: Tetranychidae) in different

hosts. - Syst. Appl. Acarol. 28,3: 497-507

Cai, P. / Zhang, Y. / Yang, M. / Zhang, C. / Li, M. / Xiao, W. / Xu, Z. / Zhang, Y. (2023): Target identification and acaricidal activity difference of amitraz and ist metabolite DPMF in *Tetranychus cinnabarinus* (Boisduval). - Pest Manag. Sci. 79,9 : 3211-3217

Can, I. / Saboori, A. (2023):* First record of *Leptus* species (Trombidiformes, Erythraeidae) parasitizing solitary wasps of Crabronidae (Hymenoptera, Apoidea) in Türkiye. - Intern. J. Acarol. 49,1: 80-85

Carrilho, M. / Teixeira, D. / Silva, M. / Nunes, M. / Vieira, M.L. / Novo, M.T. / Santos-Reis, M. / Rosalino, L.M. (2023): Prevalence of ectoparasites on small mammals inhabiting an agroforestry system of Western Portugal. - Comp. Parasitol. 90,1: 19-26

Castro, E.B. / Beard, J.J. / Ochoa, R. / Bauchan, G.R. / Otero-Colina, G. / Dowling, A.P.G. / Lofego, A.C. / Feres, R.J.F. (2023): A new species of *Ultratenuipalpus* (Acari: Tenuipalpidae) from Brazil and re-description of *Ultratenuipalpus meekeri* (De Leon), the type species of the genus, with DNA barcodes. - Animals 13,11: 1838; 30 pp.; DOI: 10.3390/ani13111838

Chen, J.-X. / Yao, M.-Y. / Guo, J.-J. / Yi, T.-C. / Jin, D.-C. (2023): *Lepidocunaxoides bisetosus*, a new species of Cunaxidae (Acariformes: Prostigmata) from China. - Acarologia 63,1: 231-240

Chen, J.-X. / Yao, M.-Y. / Yi, T.-C. / Guo, J.-J. / Jin, D.-C. (2023): Two new species of *Cunaxa* (Acariformes: Cunaxidae) from China. - Syst. Appl. Acarol. 28,3: 508-520

Chen, Y.-J. / Zhao, J. / Jiang, J.-X. / Wan, N.-F. (2023):* Transcriptome analysis revealed detoxification gene expression changes in *Tetranychus cinnabarinus* challenged with ethyl oleate. - Exp. Appl. Acarol. 89,1: 61-84

Collins, G.E. / Young, M.R. / Convey, P. / Chown, S.L. / Cary, S.C. / Adams, B.J. / Wall, D.H. / Hogg, I.D. (2023): Biogeography and genetic diversity of terrestrial mites in the Ross Sea Region, Antarctica. - Genes 14: 606; 15 pp.

Costa, S.G. / Klimov, P.B. / Pepato, A.R. (2023): Two new species of Brazilian Johnstonianidae (Trombidiformes: Parasitengona). - Syst. Appl. Acarol. 28,4: 680-694

Costa, S.G. / Magalhaes, S. / Rodrigues, L.R. (2023): Multiple mating rescues offspring sex ratio but not productivity in a haplodiploid exposed to developmental heat stress. - Funct. Ecol. 37,5: 1291-1303

Cuhadar, B.A. / Akyazi, R. / Bostan, S.Z. (2023):* Yield loss and physicochemical changes in fresh tea leaves caused by *Polyphagotarsonemus latus* (banks) attack in different tea clones. - Intern. J. Trop. Ins. 43: 297-309

Da Silva Brito, E.A. / De Castro, I.S. / Nunes Vinhas, N.A. / De Rosa Santana, R. / Pinheiro, G.M. / Ferla, N.J. (2023): Damage caused by *Tuckerella ornata* (Acari: Tuckerellidae) on cocoa fruits (*Theobroma cacao*) in the Amazon region, state of Pará, Brazil. - Syst. Appl. Acarol. 28,1: 11-19

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

Davari, M. / Hakimitabar, M. / Darbemamieh, M. (2023): First record of *Eupodes hawaiiensis* (Trombidiformes: Eupodidae) from Iran. - Persian J. Acarol. 12,1: 157-159

Davidson, I.M.K. (2023): Potential volatiles emitted from jasmine plants infested by *Tetranychus urticae* (Acari: Tetranychidae) and its attraction to predatory *Scolothrips sexmaculatus* (Thysanoptera: Thripidae). - Persian J. Acarol. 12,2: 327-336

De Alfaia, J.P. / Duarte, L.S. / Neto, E.P.S. / Ferla, N.J. / Noronha, A.C.S, / 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 Franca-Beltrao, G.V. / Monteiro, V.B. / Melo, J.W.S. / Lima, D.B. / Lofego, A.C. / Gondim, M.G.C. (2023):* Population dynamics of *Steneotarsonemus concavuscutum*, a neglected mite pest in coconut fruits (*Cocos nucifera*). - Exp. Appl. Acarol. 90,1: 19-31

De Franca-Beltrao, G.V. / Monteiro, V.B. / Melo, J.W.S. / Lima, D.B. / Lofego, A.C. / Gondim,

M.G.C. (2023): Survey and spatial distribution of tarsonemids and associated predators on coconut fruits. - Syst. Appl. Acarol. 28,1: 131-142

De Siqueira Bezerra, Y.B. / De Oliveira, C.R.F. / Dornelles, L.P. / Da Silva Guedes, C.C. et al. (2023):* Pesticidal activity of *Cratyllia mollis* seed lectin preparation (cramoll 1,2,3) against the termite *Nasutitermes corniger* and mite *Tetranychus bastosi*. - Crop Prot. 163: 106093; DOI: 10.1016/j.cropro.2022.106093

De Souza, I.V. / Ferreira, M.J.R. / De Lyra-Lemos, R.P. / Guzzo, E.C. (2023): Plants harbouring the red palm mite *Raoiella indica* Hirst (Acari: Tenuipalpidae) in Alagoas State, Northeast Brazil, with novel host associations. - Syst. Appl. Acarol. 28,6: 1179-1184

Della Vechia, J.F. / Kapp, A.B.P. / Rocha, C.M. / Andrade, D.J. (2023): Side effects of insecticides alone or in a mixture with acaricide on life history traits and demographic parameters of *Brevipalpus yothersi*. - Syst. Appl. Acarol. 28,6: 1160-1178

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 *Tetranychus macfarlanei* (Acari, Tetranychidae). - Acarologia 63,3: 658-664

Drabo, E. / Waongo, A. / Traoré, F. / Sanon, A. / Auger, P. (2023): First discovery of *Tetranychus truncatus* in Africa and new records of spider mites (Prostigmata, Tetranychidae) in Burkina Faso. - Acarologia 63,3: 969-977

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. / 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

Escobar-Garcia, H.A. / De Andrade, D. / Matioli, A.L. / Rojas-Espinoza, F.J. / Ueckermann, E.A. (2023): A new species of *Agistemus* Summers (Acari: Stigmaeidae), and key to all known species from Peru.. - Acarologia 63,2: 591-595

Estrada-Venegas, E.G. / Ochoa, R. / Equihua-Martinez, A. (2023): Presence of *Raoiella indica* Hirst (Acari: Tenuipalpidae) at an unexpected altitude: in Mexico City. - Acarologia 63,2: 591-595

Fajfer, M. (2023): Two new mite species of the genus *Geckobia* Mégnin (Acariformes: Pterygosomatidae) from Israel. - Zootaxa 5227 (2): 251-264

Feng, B.-X. / Li, X.-L. / Jiang, Z.-C. / Fu, J.-X. / Wang, L. / Xiao, F. / Yang, M.-F. / Liu, J.-F. (2023): New record of the predatory gall midge *Feltiella acarisuga* (Vallot) (Diptera: Cecidomviidae) preying on red tomato spider mite *Tetranychus evansi* Baker and Pritchard (Acari: Tetranychidae) in Guiyang, China. - Syst. Appl. Acarol. 28,7: 1283-1286

Ghosh, S.K. (2023):* Efficacy of plant based formulation against yellow mite of chilli (*Polyphagotarsonemus latus* Banks). - Intern. J. Trop. Ins. Sci. 43,2: 645-654

Gomes-Almeida, B.K. / Costa, S.G.S. / Ribeiro, D.B. / Bernardi, L.F.O. / Pepato, A.R. (2023): First multi-instar descriptions of cave-dwelling *Whartonia* Ewing, 1944 (Parasitengona, Leeuwenhoekiidae) from Brazil through integrative taxonomy. - Syst. Appl. Acarol. 28,3: 568-606

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

Guo, Y. / Guo, X.G. / Song, W.Y. / Lv, Y. / Yin, P.W.

/ Jin, D.C. (2023): Comparison of chiggers (Acari: Trombiculidae, Leeuwenhoekiidae) on two sibling mouse species, *Apodemus draco* and *Apodemus ilex* (Rodentia: Muridae), in Southwest China. - Animals 13,9: 1480; DOI: 10.3390/ani13091480

Hamdi, F.A. / Kataoka, K. / Arai, Y. / Takeda, N. / Yamamoto, M. / Mohammad, Y.F.O. / Ghazy, N.A. / Suzuki, T. (2023):* An octopamine receptor involved in feeding behavior of the two-spotted spider mite, *Tetranychus urticae* Koch: a possible candidate for RNAi-based pest control. - Entomol. Gener. 43,1: 89-97

He, H.-D. / Pan, X.-J. / Zhang, Z.-Q. / Yi, T.-C. (2023): Ontogenetic development and redescription of *Neonidulus falsicornus* (Acari: Tetranychidae). - Syst. Appl. Acarol. 28,3: 544-555

Hemmat-Jou, L. / Rahmani, S. / Ghanbari-Jahromi, M. (2023): Acaricidal potential of *Euphorbia seguieriana* and *Euphorbia helioscopia* (Euphorbiaceae) extracts against *Tetranychus urticae* (Acari: Tetranychidae). - Persian J. Acarol. 12,2: 345-361

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

Ito, K. / Takatsuki, K. (2023): Hybridisation between host races broadens the host range of offspring in *Eotetranychus asiaticus* (Acari: Tetranychidae). - Exp. Appl. Acarol. 90,3-4: 227-245

Jacinavicius, F.C. / Pesenato, I.P. / Takatsu, J.C. / Cousandier, G. / Ochoa, R. / Welbourn, C. / Barros-Battesti, D.M. (2023): Three chigger species (Trombidiformes: Trombiculidae) co-parasitizing a domestic cat in Brazil, including pathogen monitoring. - Intern. J. Acarol. 49,2: 120-127

Jafari, M. / Aghdam, H.R. / Zamani, A.A. / Goldasteh, S. / Soleyman-Nejadian, E. / Schausberger, P. (2023): Thermal oviposition performance of the ladybird *Stethorus gilvifrons* preying on two-spotted spider mites. - Insects 14,2: 199; 10 pp.; DOI: 10.3390/insects14020199

Jafari, M. / Goldasteh, S. / Aghdam, H.R. / Zamani, A.A. / Soleyman-Nejadian, E. / Schausberger, P. (2023): Modeling thermal developmental trajectories and thermal requirements of the ladybird *Stethorus gilvifrons*. - Insects 14,1: 11; 17 pp.; DOI: 10.3390/insects14010011

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

Joshi, M.J. / Muralidharan, C.M. / Sharma, K.M. / Patel, P.S. / Varadharasu, P.R. (2023): Seasonal incidence of *Raoiella indica* Hirst (Acari: Tenuipalpidae) on different varieties of date palm in Kachchh region of Western India. - Persian J. Acarol. 12,1: 91-100

Kalúz, S. / Ermilov, S.G. (2023): Two new species of *Cunaxa* (Acari, Prostigmata, Cunaxidae) from South-East Asia with a world key to the genus. - Zootaxa 5239 (4): 521-536

Kamayev, I.O. (2023): Annotated list of Tetranychoidea mites (Acari, Trombidiformes) of Central European Russia. - Acarina 31,1: 101-118

Kamran, M. / Mirza, J.H. / Elgoni, N.A. / Alatawi, F.J. (2023): Two new species of the genus *Agistemus* Summers (Acari: Stigmaeidae) from Saudi Arabia. - Acarologia 63,2: 580-590

Kapankaya, A. / Saboori, A. / Cakmak, I. (2023): A new species and two new records of the genus *Leptus* (Trombidiformes: Erythraeidae) from Türkiye. - Intern. J. Acarol. 49,2: 128-140

Kayal, S. / Karmakar, K. (2023): Description of two new species of *Xenotarsonemus* (Acari: Tarsonemidae) from West Bengal, India with world keys. - Biologia; DOI: 10.1007/s11756-023-01373-y

Khaustov, A.A. (2023): Contribution to the fauna of Tydeidae (Acari: Prostigmata) from Western Siberia, Russia. - Acarologia 63,2: 491-521

Khaustov, A.A. (2023): Review of *Cheylostigmaeus* (Acari, Stigmaeidae) of Russia. - Acarina 31,1: 31-75

Khaustov, A.A. (2023): New data to the fauna of Tydeidae (Acari: Prostigmata) of Western Siberia, Russia with discovery of secondary sexual dimorphism. - Syst. Appl. Acarol. 28,8: 1335-1343

Khaustov, A.A. / Kazakov, D.V. (2023): A new species of *Postumius* (Acari: Stigmaeidae) from Asian Russia with COI barcode. - Syst. Appl. Acarol. 28,4: 755-765

Khaustov, A.A. / Khaustov, V.A. (2023): First record of Linotetranidae (Acari: Tetranychoidea) from Russia, with description of a new species. - Acarologia 63,1: 67-76

Khaustov, A.A. / Khaustov, V.A. (2023): The first occurrence of the subgenus *Premicrodispus* (*Premicrodispulus*) (Acari: Heterostigmata: Microdispidae) from Russia, with description of a new species. - Persian J. Acarol. 12,1: 59-66

Khaustov, A.A. / Kravchenko, S.V. / Kazakov, D.V. (2023): Two new species and a new synonym of *Eustigmaeus* (Acari, Stigmaeidae) from Russia with COI Barcode. - Acarina 31,1: 77-99

Khaustov, A.A. / Vorontsov, D.D. / Lindquist, E.E. (2023): Unguicheylidae fam. nov., a new fossil family of prostigmatic mites (Acari: Prostigmata) from the Cretaceous Taimyr amber. - Syst. Appl. Acarol. 28,4: 766-776

Kohansal, M. / Ramroodi, S. / Noei, J. / Rakhshani, E. (2023): New data on *Marantelophus iranicus* and *Empitrombium makolae* (Acari: Erythraeidae, Microtrombidiidae). - Persian J. Acarol. 12,1: 67-79

Kohansal, M. / Ramroodi, S. / Noei, J. / Saboori, A. (2023): A new larval species of *Nothrotrombidium* (Acari: Trombellidae) from Iran, with new host records. - Syst. Appl. Acarol. 28,4: 656-666

Kruewong, W. / Auamcharoen, W. (2023):* Acaricidal and repellent activity of *Zanthoxylum myriacanthum* (Rutaceae) fruit extracts against *Tetranychus urticae* and *Tetranychus truncatus* (Acari: Tetranychidae). - J. Entomol. Sci. 58,2: 119-134

Lamos, R.A. (2023): A new genus of mite: *Albertibarbutia* gen. nov. (Acari, Trombidiformes, Barbutiidae). - Carolinea 80 (2022): 53-72

Laniecka, I. / Kazmierski, A. / Magowski, W. / Laniecki, R. (2023): New subgenus and species of Tydaeolinae (Acariformes: Prostigmata: Tydeoidea) from Germany. - Syst. Appl. Acarol. 28,4: 732-741

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 Wiełkopolska National Park in western Poland. - Exp. Appl. Acarol. 89,3-4: 393-416

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, T. / Lv, M. / Wen, H. / Wang, Y. / Thapa, S. / Zhang, S. / Xu, H. (2023): Synthesis of piperine-based ester derivatives with diverse aromatic rings and their agricultural bioactivities against *Tetranychus cinnabarinus* Boisduval, *Aphis citricola* van der Goot, and *Eriosoma lanigerum* Hausmann. - Insects 14: 40; 13 pp.; DOI: 10.3390/insects14010040

Lin, T. / Chen, Y. / Chen, Y. / Lin, S. / Hu, J. / Zhao, J. / Yang, G. / Yang, F. / Wie, H. (2023):* Temperature-dependent functional response of the arboreal rove beetle, *Oligota flavicornis* (Coleoptera, Staphylinidae), a voracious predator of *Tetranychus urticae* (Acarina, Tetranychidae). - J. Econ. Entomol. 116,1: 90-97

Liu, C.M. / Zheng, P. / Wang, H.M. / Wei, Y. / Wang, C.P. / Hao, S.H. (2023): Design and synthesis of scopoletin sulfonate derivatives as potential insecticidal agents. - Molecules 28,2: 530; DOI: 10.3390/molecules28020530

Liu, M. / Li, Z. / Li, S.M. / Liang, F. / Huang, C.W. / Pan, H. / Wu, J. / Liu, S.Y. / Pu, L.M. / Christie, P. / Song, J. / Krogh, P.H. / Ke, X. / Luo, Y.M. / Wu, L.H. (2023):* The effects of pollution by multiple metals derived from long-term smelting activities on soil mite communities in arable soils under different land use types in East China. - Environ. Sci. Poll. Res. 30: 47182-47208; DOI 10.1007/s11356-023-25341-w

Magowski, W.L. / Babaei, S. / Ahadiyat, A. (2023): First record of *Tarsonemus populi* Magowski, 2010 in Western Asia on the new beetle host, with notes on the mite-beetle phoretic associations in the subgenus *Schaarschmidtia* (Heterostigmatina, Tarsonemidae, Tarsonemus). - Syst. Appl. Acarol. 28,7: 1287-1292

Mahdavi, S.M. / Asadi, M. (2023): New records of Tetranychoidea (Acari: Trombidiformes) from Iran with description of a new species of the genus *Aegyptobia*

Sayed. - Syst. Appl. Acarol. 28,2: 173-184

Marciniak-Musial, N. / Escobar-Garcia, H.A. / Andrade, D.J. / Ueckermann, E.A. / André, H.M. (2023): A new species of the genus *Brachytydeus* Thor sensu André (Acari: Tydeidae) and a key to all known species from Peru. - Zootaxa 5319 (2): 263-274

Marciniak-Musial, N. / Skoracki, M. / Kosicki, J.Z. / Unsold, M. / Sikora, B. (2023): Host-parasite relationships of quill mites (Syringophilidae) and parrots (Psittaciformes). - Diversity-Basel 15,1: 1; 38 pp.; DOI: 10.3390/d15010001

Mattupurath, S. / Bhaskar, H. / Pathrose, B. / Athikurissi, S. (2023):* Susceptibility to acaricides and detoxifying enzyme activity in *Tetranychus gloveri* Banks (Acari: Tetranychidae) populations from India. - Intern. J. Acarol. 49,2: 105-111

Mayoral, J. / Miralles-Núnez, A. / Sánchez, J. / Espadaler, X. (2023): Parasitic mites of the genus *Forania* (Acari, Erythraeidae) on ants (Hymenoptera: Formicidae) in NE Spain: When taxonomy meets citizen science. - Syst. Appl. Acarol. 28,1: 123-130

Meghana, R. / Anand, P.P. / Shibu Vardhanan, Y. (2023): Molecular and morphometric analyses reveal host-specific cryptic speciation in a mite species, *Tetranychus neocaledonicus* (Andre, 1933) (Acari: Tetranychidae). - Zootaxa 5306 (1): 61-96

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

Mermans, C. / Dermauw, W. / Geibel, S. / Van Leeuwen, T. (2023): Activity, selection response and molecular mode of action of the isoxazoline afoxolaner in *Tetranychus urticae*. - Pest Manag. Sci. 79: 183-193

Mohammad-Doustaresharaf, M. / Bagheri, M. / Lotfollahi, P. (2023): Description of a new species of *Stigmaeus* (Acari: Stigmaeidae) with notes on species described from Northwest Iran. - Syst. Appl. Acarol. 28,2: 185-194

Mondal, P. / Karmakar, K. (2023): A new species of *Daidalotarsonemus* from Eastern India with re-description of *Daidalotarsonemus duolamella* Lin, Chen & Zhang, 1998 (Acari: Tarsonemidae) and keys to the Oriental species. - Biologia 78,1: 129-140

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

Montemayor, J.D. / Smith, H.A. / Peres, N.A. / Lahiri, S. (2023): Potential of UV-C for managment of two-spotted spider mites and thrips in Florida strawberry. - Pest Manag. Sci. 79: 891-898

Musa, A. / Medo, I. / Maric, I. / Marcic, D. (2023): Sterilization makes a difference: demographic analysis of spirodiclofen effects on *Tetranychus urticae* (Acari: Tetranychidae). - Acarologia 63,3: 955-968

Mushtaq, H.M.S. / Kamran, M. / Saleh, A.A. / Alatawi, F.J. (2023): Evidence for reconsidering the taxonomic status of closely related *Oligonychus* species in punicae complex (Acari: Prostigmata: Tetranychidae). - Insects 14,1: 3; 16 pp.; DOI: 10.3390/insects14010003

Mushtaq, H.M.S. / Saleh, A.A. / Kamran, M. / Alatawi, F.J. (2023): Molecular-based taxonomic inferences of some spider mite species of the genus *Oligonychus* Berlese (Acari, Prostigmata, Tetranychidae). - Insects 14: 192; 14 pp.; DOI: 10.3390/insects14020192

Nascimento, R.S. / Souza, K.S. / Melo, E.A.S.F. / Tassi, A.D. / Castro, E.B. / Navia, D. / De Mendonca, R.S. / Ochoa, R. / Oliveira, A.R. (2023): Flat mites (Tenuipalpidae) from Bahia state, Northeastern Brazil - a checklist including new records and an illustrated key to species. - Acarologia 63,3: 619-636

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

Oide, Y./ Osakabe, M.(2023): Asymmetry in the

reproductive interference between two closely related species of spider mites, *Panonychus citri* and *Panonychus osmanthi* (Prostigmata: Tetranychidae). - Exp. Appl. Acarol. 90,3-4: 247-266

Osakabe, M. / Shimano, S. (2023): The flashy red color of the red velvet mite *Balaustium murorum* (Prostigmata: Erythraeidae) is caused by high abundance of the keto-carotenoids, astaxanthin and 3-hydroxyechinenone. - Exp. Appl. Acarol. 89,1: 1-14

Paktinat-Saeij, S. / Davari, M. / Hakimitabar, M. (2023): Contribution to systematics of the Bdelloidea (Acari: Trombidiformes: Prostigmata) from Semnan Province, Iran, with description a new species of *Scirula*. - Syst. Appl. Acarol. 28,8: 1368-1376

Pan, D. / Xia, M.-H. / Luo, Q.-J. / Liu, X.-Y. / Li, C.-Z. / Yuan, G.-R. / Wang, J.-J. / Dou, W. (2023): Resistance of *Panonychus citri* (McGregor) (Acari, Tetranychidae) to pyridaben in China: monitoring and fitness costs. - Pest Manag. Sci. 79: 996-1004

Parmagnani, A.S. / Mannino, G. / Brillada, C. / Novero, M. / Dell'Osto, L. / Maffei, M.E. (2023): Biology of two-spotted spider mite (*Tetranychus urticae*): ultrastructure, photosynthesis, guanine transcriptomics, carotenoids and chlorophylls metabolism, and decoyinine as a potential acaricide. - Int. J. Mol. Sci. 24: 1715; 22 pp.; DOI: 10.3390/ijms24021715

Patra, B. / Hath, T.K. (2023):* Resistance status and activity of detoxifying enzymes in *Oligonychus coffeae* (Nietner) (Acari: Tetranychidae) on tea. - Crop Prot. 167: 106201; DOI10.1016/j.cropro.2023.106201

Pekagir Bas, M. / Karakus, M. / Yilmaz, A. / Kasap, O.E. / Sevsay, S. / Özbel, Y. / Töz, S. / Dogan, S. (2023): Two parasitic mite species on Phlebotominae sand flies (Diptera: Psychodidae) from Türkiye: *Biskratrombium persicum* (Microtrombidiidae) and *Eustigmaeus johnstoni* (Stigmaeidae). - Acarol. Stud. 5,1: 11-16

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.: 13 pp.; DOI: 10.1002/ldr.4805

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

Razdoburdin, V.A. / Kirillova, O.S. / Kozlova, E.G. (2023):* Interactions in the system "cucumber plant - spider mite *Tetranychus urticae* Koch (Acarina, Tetranychidae) -predatory midge *Feltiella luboviae* Fedotova et Kozlova (Diptera, Cecidomyiidae)" treated with ethyl arachidonate. - Entomol. Rev. 102,6: 844-852

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

Saboori, A. / Kapankaya, A. / Cakmak, I. / Hakimitabar, M. (2023): A discussion on the validity of the genus *Abalakeus* (Acari: Erythraeidae) with a redescription of *Abalakeus gonabadensis*. - Acarologia 63,2: 295-305

Samaras, K. / Mourtiadou, S. / Arampatzis, T. / Kakagianni, M. / Feka, M. / Wackers, F. / Papadopoulou, K.K. / Broufas, G.D. / Pappas, M.L. (2023): Plant-mediated effects of beneficial microbes and a plant strengthener against spider mites in tomato. - Plants - Basel 12,4: 938; 13 pp.; DOI: 10.3390/plants12040938

Schuster, J. / Hygax, D. / Diaz, D.L. / Serrano-Peraza, F. (2023): Distributions, range extensions and host list update for four phoretic mite genera (Acari: Klinckowstroemiidae) on Passalidae (Coleoptera). - Acarologia 63,2: 596-604

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

Sevsay, S. / Elverici, M. (2023): A subterranean new genus and species of Eutrombidiinae (Trombidiformes: Microtrombidiidae) from Turkey. - Syst.

Appl. Acarol. 28,5: 944-957

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

Shen, X.-J. / Zhang, Y.-J. / Wang, S.-Y. / Chen, J.-C. / Cao, L.-J. / Gong, Y.-J. / Pang, B.-S. / Hoffmann, A.A. / Wie, S.-J. (2023): A high-throughput KASP assay provides insights into the evolution of multiple resistant mutations in populations of the two-spotted spider mite *Tetranychus urticae* across China. - Pest Manag. Sci. 79: 1702-1712

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

Shumate, S. / Haylett, M. / Nelson, B. / Young, N. / Lamour, K. / Walsh, D. / Bradford, B. / Clements, J. (2023): Using targeted sequencing and TaqMan approaches to detect acaricide (bifenthrin, bifenazate, and etoxazole) resistance associated SNPs in *Tetranychus urticae* collected from peppermint fields and hop yards. - PLoS ONE 18,3: e0283211; 13 pp.; DOI: 10.1371/journal.pone.0283211

Skoracki, M. / Unsöld, M. / Sikora, B. / Hromada, M. (2023): An unexpected finding of a new species of the genus *Charadriineopicobia* (Acariformes, Syringophilidae) parasitizing *Hydrobates tethys* (Aves, Procellariiformes) from the Galápagos Islands. - Syst. Appl. Acarol. 28,4: 647-655

Stathakis, T.I. / Vrettos, D.P. / Panou, E.N. / Kapaxidi, E.V. (2023): New records of false spider mites (Acari: Trombidiformes, Tenuipalpidae) in Greece. - Zootaxa 5230 (4): 456-466

Stekolnikov, A.A. (2023): New records of chigger mites (Acariformes, Trombiculidae) from the Arabian Peninsula. - Acarina 31,1: 119-121

Stekolnikov, A.A. (2023): A revision of the chigger genus *Afrotrombicula* (Acariformes: Trombiculidae). - Zootaxa 5323 (1): 27-55

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

Susurluk, H. (2023): Potential use of essential oils from *Origanum vulgare* and *Syzygium aromaticum* to control *Tetranychus urticae* Koch (Acari: Tetranychidae) on two host plant species. - PeerJ 11: e14475; 22 pp.; DOI: 10.7717/peerj.14475

Svobodova, Z. / Zemek, R. / Habustova, O.S. (2023):* Different maize varieties have greater impact on *Tetranychus urticae* (Acari: Tetranychidae) than GE maize expressing Cry3Bb1 insecticidal protein. - J. Ins. Physiol. 146: 104502; DOI: 10.1016/j.jinsphys.2023.104502

Tabasum, S. / Buhroo, A.A. (2023):* Impact of abiotic stresses on the population dynamics of *Tetranychus urticae* Koch (Acari: Tetranychidae) on vegetable crops in Kashmir. - Intern. J. Trop. Ins. Sci. 43,1: 61-72

Trejo-Palacios, S.J. / Toledo-Hernández, V.H. / Paredes-León, R. / Corona-López, A.M. (2023): A new species and new records of Pygmephoridae (Acari: Heterostigmata) phoretic on Coleoptera from Mexico. - Syst. Appl. Acarol. 28,1: 77-87

Villagran-Mancilla, C. / Chacon-Hernandez, J.C.C. / Delgadillo-Angeles, J.L.L. / Hernandez-Juarez, A. / Mora-Ravelo, S.G.G. / Ordaz-Silva, S. (2023):* Phytophagy and predatory behavior of *Caliothrips phaseoli* (Thysanoptera: Thripidae) on bean foliage discs with *Tetranychus merganser* (Acari: Tetranychidae) eggs. - Arthropod-Plant Interactions 17,2: 217-224

Viola, G. / Tello, V. / Zarzar, M. (2023):* Effect of the type of citrus fruit on the biological parameters of *Panonychus citri* (Acari: Tetranychidae) under laboratory conditions. – Chil. J. Agric. Res. 83,2: 137-145

Waqas, M.S. / Xia, L. / Yi, T.-C. / Sun, L.-Y. / Xiao, R. / Jin, D.-C. (2023): Ethology of waste management and nest relocation of *Stigmaeopsis inthanonsis* (Acari: Tetranychidae). – Pak. J. Zool. 55,3: 1423-1430

Wurlitzer, W.B. / Da-Costa, T. / De Azevedo, A.O. / Dos Santos Rocha, M. / Ferla, N.J. (2023): Edaphic diversity of cunaxid mites (Acari: Prostigmata) in different tree formations from northern region of Rio Grande Do Sul State, Brazil. - Syst. Appl. Acarol. 28,2: 212-222

Wurlitzer, W.B. / De Castro, I.S. / Ferla, N.J. / Da Silva Bizarro, L. / Franklin, E. / Dos Santos Rocha, M. (2023): New species of Coleoscirinae (Acari: Cunaxidae) from Brazil. - Syst. Appl. Acarol. 28,1: 11-19

Xia, X. / Peng, C.-W. / Ye, Q.-T. / Bing, X.-L. / Hong, X.-Y. (2023): Rop plays conserved roles in the reproductive and digestive processes of spider mites. - Insect Sci. 30: 351-364

Xu, S.-Y. / Yi, T.-C. / Guo, J.-J. / Jin, D.-C. (2023): Two new erythraeid mites (Acari: Trombidiformes: Erythraeidae) from China: one based on larvae, another one based on larvae and adult. - Syst. Appl. Acarol. 28,6: 1056-1079

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, Z. / Wang, Z. / Ni, J. / Da, A. / Xie, D. / Chung, H. / Luo, Y. (2023):* Seasonality but not photoperiodism affects pesticide toxicity to the two-spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae). - Intern. J. Trop. Ins. Sci. 43,1: 43-50

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

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

Zhang, K.X. / Ma, Y. / Li, C.C. / Quandahor, P. / Haq, I.U. / Zhang, Q.Y. / Kong, L.L. / Tao, Y. / Liu, C.Z. (2023):* Population growth of *Tetranychus truncatus* (Acari: Tetranychidae) on different drought-tolerant potato cultivars. - J. Econ. Entomol. 116,2: 405-415

Zhang, Y. / Liu, Y. / Liang, X. / Wu, C. / Liu, X. / Wu, M. / Yao, X. / Qiao, Y. / Zhan, X. / Chen, Q. (2023):* Exogenous methyl jasmonate induced cassava defense response and enhanced resistance to *Tetranychus urticae*. - Exp. Appl. Acarol. 89,1: 45-60

Zhu, Y. / Wu, T. / Xie, Y. / Wu, Y. / Deng, J. / Cao, L. / Zhang, Z. / Rao, Q. (2023): Screening of the acaricidal activity of essential oils against *Panonychus citri* (McGregor) (Acari: Tetranychidae). - Agronomy 13: 397; 9 pp.; DOI: 10.3390/agronomy13020397

Zhu, Y.-X. / Zhang, Y.-Y. / Zhang, X. / Hong, X.-Y. (2023): Antibiotics and temperature alter microbiome assembly and host fecundity in spider mites. - Syst. Appl. Acarol. 28,1: 39-52

Publications, additions 2022

Abarna, V.P. / Vishnupriya, R. (2022): DNA barcoding reveals the natural occurrence of *Beauveria bassiana* (Balsamo) Vuillemin in two-spotted spider mite, *Tetranychus urticae* Koch in Bhendi [*Abelmoschus esculentus* (L.) Moench] ecosystem in Coimbatore district of Tamil Nadu. - Egypt. J. Biol. Pest Contr. 32: 128; 9 pp.; DOI: 10.1186/s41938-022-00623-6

Akyazi, R. / Soysal, M. / Altunc, Y.E. / Akyol, D. (2022): Efficacy of *Nicotiana tabacum* L. (Solanaceae), *Allium sativum* L. (Amaryllidaceae) and soft soap for controlling *Polyphagotarsonemus latus* (Banks, 1904) (Acari: Tarsonemidae). - Türk. Entomol. Derg. 46,2: 211-226

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

Alsay, S. / Ay, R. (2022): Development of resistance to a mixture of spiromesifen and abamectin and cross resistance in *Tetranychus urticae*. - Syst. Appl. Acarol. 27,10: 1857-1866

Al-Shammery, K.A. / Al-Khalaf, A.A. (2022): Effect of host preference and micro habitats on the survival of *Tetranychus urticae* Koch (Acari: Tetranychidae) in Saudi Arabia. - J. King Saud Univ. - Science 34: 102030; 6 pp.; DOI: 10.1016/j.jksus.2022.102030

Amaro, G. / Fidelis, E.G. / De Medeiros, C.M. / Da Silva, R.S. (2022): Risk analysis of the spread of the quarantine pest mite *Schizotetranychus hindustanicus* in Brazil. - Exp. Appl. Acarol. 88,3: 263-275

Ashwini, M.N. / Bhaskar, H. / Mathew, D. / Shylaja, M.R. / Girija, D. (2022): Isolation and evaluation of bacteria associated with entomopathogenic nematode Heterorhabditis spp. against the spider mite, *Tetranychus truncatus* Ehara (Acari: Tetranychidae). - Egypt. J. Biol. Pest Contr. 32: 87; 10 pp.; DOI: 10.1186/s41938-022-00586-8

Assouguem, A. / Farah, A. / Ullah, R. / Korkmaz, Y.B. / Almeer, R. / Sayed, A.A. / Najda, A. / Lazraq, A. (2022): Current situation of *Tetranychus urticae* (Acari: Tetranychidae) in Northern Africa: The sustainable control methods and priorities for future research. - Sustainability 14: 2395; 14 pp.; DOI: 10.3390/su14042395

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

Assouguem, A. / Kara, M. / Ramzi, A. / Annemer, S. / Kowalczyk, A. / Ali, E.A. / Moharram, B.A. / Lazraq, A. / Farah, A. (2022): Evaluation of the effect of four bioactive compounds in combination with chemical product against two spider mites *Tetranychus urticae* and *Eutetranychus orientalis* (Acari: Tetranychidae). - Evidence-Based Compl. Alternat. Medicine Art.: ID 2004623; 13 pp.; DOI: 10.1155/2022/2004623

Awad, S.E. / Salah, K.B.H. / Jghef, M.M. / Alkhaibari, A.M. / Shami, A.A. / Alghamdi, R.A. / El-Ashry, R.M. (2022): Chemical characterization of clove, basil and peppermint essential oils; evaluating their toxicity on the development stages of two-spotted spider mites grown on cucumber leaves. - Life 12,11: 1751, 15 pp.; DOI: 10.3390/life12111751

Azandeme-Hounmalon, G.Y. / Toutopa, D. / Onza, A. / Gnanvossou, D. / Bokonon-Ganta, A. / Tamo. M. (2022): Comparative efficacy of three pesticides against the tomato red spider mite *Tetranychus evansi* Baker & Pritchard under laboratory conditions. - Intern. J. Trop. Ins. Sci. 43: 267-275

Badalamenti, N. / Bruno, M. / Pavela, R. / Maggi, F. / Marinelli, O. / Zeppa, L. / Benelli, G. / Canale, A. (2022): Acaricidal activity of Bufadienolides isolated from *Drimia pancration* against *Tetranychus urticae*, and structural elucidation of Arenobufagin-3-O-a-Lrhamnopyranoside. - Plants 11: 1629; 9 pp.; DOI 10.3390/plants11131629

Bagheri, M. / Mohammad-Doustaresharaf, M. (2022): A new species of Allochaetophoridae (Acari: Tetranychoidea) from Iran. - Syst. Appl. Acarol. 27,10: 1991-2003

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

Bassini-Silva, R. / Scopel. W. / Lima, E.F.B. / Moreira Silva-Neto, A. / Flechtmann, C.H.W. / Welbourn, C. / Ochoa, R. / Brescovit, A.D. / Barros-Battesti, D.M. / Jacinavicius, F.C. (2022): *Charletonia rocciai* Treat and Flechtmann, 1979 (Trombidiformes: Erythraeidae): larval redescription and new records for Brazil. - Intern. J. Acarol. 48,6: 433-441

Bassini-Silva, R. / Zampaulo, R.A. / Welbourn, C. / Ochoa, R. / Brescovit, A.D. / Barros-Battesti, D.M. / Jacinavicius, F.C. (2022): A new genus and two new species of chigger mites (Trombidiformes: Leeuwenhoekiidae) from Brazilian caves with notes about the genus *Whartonia* Ewing, 1944. - J. Nat. Hist. 56,29-32: 1297-1313

Bavi, M. / Ziaee, M. / Kocheili, F. / Sohrabi, F. (2022):* The effect of two sugarcane by-products, and a commercial formulation, Bino2, against sugarcane yellow mite, *Oligonychus sacchari* (Acari: Tetranychidae). - Sugar Tech 25: 717-726

Beron, P. (2022): Acarorum Catalogus X. Superfamilia Labidostommatoidea. Superfamilia Eupodoidea. Superfamilia Tydeoidea. Superfamily Paratydeoidea. Superfamilia Anystoidea. Superfamilia Caeculoidea. Superfamilia Adamystoidea. Superfamilia Pomerantzioidea - Pensoft & National Museum of Natural History, Sofia: 1-424

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

Błoszyk, J. / Napierała, A. / Adamski, Z. / Zacharyasiewicz, M. (2022): Range of occurrence of bisexual and parthenogenetic populations of *Labidostomma luteum* (Acari: Prostigmata) in Europe. - Diversity 14: 504; 9 pp.; DOI: 10.3390/d14070504

Briozo, M.E.O. / Franca, S.M. / Barbosa, D.R.S. / Dutra, K.A. / Navarro, D.M.A.F. / Silva, P.R.R. (2022): Lethal and sublethal effects of essential oils on *Tetranychus neocaledonicus* (Acari, Tetranychidae). - Syst. Appl. Acarol. 27,12: 2568-2582

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

Buga, E. / Sevsay, S. / Makol, J. (2022): The first description of the larva of *Hirstithrombium* Oudemans (Trombidiformes, Prostigmata, Johnstonianidae), with redescription of *Hirstithrombium noemiae* Feider, based on all active life instars. - Syst. Appl. Acarol. 27,9: 1755-1774

Campos-Rivela, J.M. / Queralt, J.M.F. / Martinez-F, M.T. (2022):* Sustainable control stategies of the two-spotted mite *Tetranychus urticae* Koch (Prostigmata, Tetranychidae) in citrus. - IOBC-WPRS Bulletin 161: 29-34

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. - Chilean J.A.R. 82,1: 124-134

Ceylan, M. / Dogan, S. / Özkan, K. (2022): Multivariate analysis of the effects of site factors on the distributions of raphignathoid mites (Acari: Raphignathoidea). - Acarol. Stud. 4,2: 61-69

Chapurina, Y.E. / Kondakov, A.V. / Chan, N. / Vikhrev, I.V. / Bolotov, I.N. / Konooleva, E.S. / Win, T. / Lunn, Z. (2022): A new species *Unionicola* (*Dimockatax* stat. rev.) *haungthayawensis* sp. nov. (Trombidiformes: Unionicolidae) from the freshwater mussel *Lamellidens generosus* (Gould, 1847) in Myanmar. - Ecol. Mont. 56: 28-39

Cheng, L.-Y. / Hou, D.-Y. / Sun, Q.-Z. / Yu, S.-J. / Li, S.-C. / Liu, H.-Q. / Cong, L. / Ran, C. (2022): Biochemical and molecular analysis of field resistance to spirodiclofen in *Panonychus citri* (McGregor). - Insects 13: 1011; 17 pp.; DOI: 10.3390/insects13111011

Chouikhi, S. / Assadi, B.H. / Lebdi, K.G. / Belkadhi, M.S. (2022): Efficacy of the entomopathogenic fungus, *Beauveria bassiana* and *Lecanicillium muscarium* against two main pests, *Bemisia tabaci* (Genn.) and *Tetranychus urticae* (Koch), under geothermal greenhouses of Southern Tunisia. - Egypt. J. Biol. Pest Contr. 32: 125; 8 pp.; DOI: 10.1186/s41938-022-00627-2

Chu, L.-M. / Feng, R. / Fang, Y. / Fang, Y. / Zuo, Z.-T. / Zhang, Z.-Y. / Zhou, X.-Q. / Huang, X. / Han, R.-R. / Tao, L. / Sun, E.-T. (2022): Morphological and molecular identification of *Spinibdella lignicola* (Canestrini, 1886) (Trombidiformes: Bdellidae). - Syst. Appl. Acarol 27,11: 2249-2257

Corpuz-Raros, L.A. / Naredo, J.C.B. / Lit, I.L. / Caasi-Lit, M. (2022): Two new species of the genus *Dactyloscirus* (Acari: Prostigmata: Bdelloidea: Cunaxidae) from Sumatra, Indonesia, with a key to known species. - Zootaxa 5214 (1): 89-103

Da Cruz, W.P. / Souza, M.C. / Lacerda, J.D.A. / Fonseca e Souza, A.I.A. / Silva, P.A. / Dos Santos, E.C. (2022): Occurrence of *Raoiella indica* Hirst (Acari, Tenuipalpidae) in the Southeast region of the state of Pará, Brazil. - J. Plant Dis. Prot. 130: 199-204

De Almeida Paz-Neto, A. / Calvet, E.C. / De Silva Melo, J.W. / De Lima, D.B. / Gondim, M.G.C. / Janssen, A. (2022): Mite damage provides refuges and affects preference and performance of a subsequent herbivorous moth. - J. Appl. Entomol. 146: 930-941

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 Azevedo, A.O. / Gondim, M.G.C. / Da Silva Melo, J.W. / Barbosa, V.M. / De Lima Melo, D.B. / Calvet, E.C. (2022): Aerial dispersal of *Raoiella indica* Hirst (Acari: Tenuipalpidae): Influence of biotic and abiotic factors, dispersal potential and colonization rate. - Syst. Appl. Acarol. 27,11: 2166-2179

De Beer, B. / Vandenhole, M. / Njiru, C. / Spanoghe, P. / Dermauw, W. / Van Leeuwen, T. (2022): High-resolution genetic mapping combined with transcriptome profiling reveals that both target-site resistance and increased detoxification confer resistance to the pyrethroid bifenthrin in the spider mite *Tetranychus urticae*. - Biology 11,11: 1630, 27 pp.; DOI: 10.3390/biology11111630

De Franca-Beltrao, G.V. / Monteiro, V.B. / Da Silva Melo, J.W. / De Lima, D.B. / Oliveira, A.R. / Gondim, M.G.C. (2022): Estimating the population size of *Steneotarsonemus concavuscutum* in coconut fruits using diagrammatic damage scales. - Syst. Appl. Acarol. 27,8: 1574-1581

De la Torre Santana, P.E. (2022):* Datos morfométricos de *Acarapis woodi* (Rennie) (Acari: Tarsonemidae) colectados en Mayabeque, Cuba. - Rev. Iber. Aracnol. 41: 158-162

De Souza Born, F. / Da Camara, C.A.G. / De Moraes, M.M. / De Melo, J.P.R. (2022): Acaricidal properties of the selected components, blends and essential oils of species of genus *Protium* (Burseraceae) against *Tetranychus urticae* (Acari, Tetranychidae). - Austral Entomol. 61: 258-264

Della Vechia, J.F. / De Andrade, D.J. (2022):* Effect of acaricide and insecticide mixtures against citrus leprosis vector, *Brevipalpus yothersi*, under laboratory and field conditions. - Crop Protection 161: 106074; DOI: 10.1016/jcropro.2022.106074

Dias, C.R. / Ataide, L.M.S. / Meijer, T.T. / Venzon, M. / Pallini, A. / Janssen, A. (2022): Phytophagous mite performance on intact plants and leaf discs with different defence levels. - Ent. Exp. Appl. 170: 941-947

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

Dogan, S. / Dogan, S. (2022): A new species of the genus *Cheylostigmaeus* Willmann (Acari: Trombidiformes: Stigmaeidae) from Turkey. - Syst. Appl. Acarol. 27,10: 2062-2075

Dos Santos Costa, S.G. / Gomes-Almeida, B.K. / Pepato, A.R. (2022): A new larval species of the genus *Smaris* (Smarididae, Parasitengona) from Brazilian cave. - Acarina 30,2: 219-224

Dos Santos, M.F. / Silva, P.R.R. / Amaranes, M.P. / Ferraz, J.C.B. / Briozo, M.E.O. / De Franca, S.M. (2022): Bioefcacy of neem based products (*Azadirachta indica* A. Juss.) in the management of *Oligonychus punicae* (Acari: Tetranychidae) in *Eucalyptus*. [Orig. Port.] - Ciencia Florestal 32,2: 1078-1094

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. - Fresenius Environ. Bull. 31,8: 7869-7876

Elverici, M. / Buga, E. / Sevsay, S. (2022): A contribution to the knowledge of the genus *Charletonia* Oudemans (Acari: Prostigmata: Erythraeidae) from Turkey. - Persian J. Acarol. 11,3: 471-482

Escobar-Garcia, H.A. / Beard, J.J. / Ochoa, R. (2022): Report of *Tuckerella pavoniformis* (Acari: Tuckerellidae) on Mamey, *Mammea americana* (Calophyllaceae), in Northwestern Peru. - Insects 13: 473; 10 pp.; DOI: 10.3390/insects13050473

Fajfer, M. / Karanth, P. (2022): New morphological and molecular data reveal an underestimation of species diversity of mites of the genus *Geckobia* (Acariformes: Pterygosomatidae) in India. - Diversity 14,12: 1064; 41 pp.; DOI: 10.3390/d14121064

Feng, B.-X. / Tian, T.-A. / Tian, Y. / Song, Y.-F. / Tang, X.-T. / Yang, M.-F. / Liu, J.-F. (2022): Parasitic behavior of *Pyemotes zhonghuajia* (Trombidiformes: Pyemotidae) on fall armyworm *Spodoptera frugiperda* (J. E. Smith) (Lepidoptera: Noctuidae). - Syst. Appl. Acarol. 27,9: 1745-1754

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

Fidelis, E.G. / Figueiredo, F.L. / Castro, T.M.M.G. / Oliveira, D.C. / Farias, E.S. (2022):* Sampling approaches of the Hindustan citrus mite (*Schizotetranychus hindustanicus*) in Brazilian citrus orchards and climatic factors affecting its population dynamics. - Exp. Appl. Acarol. 87,2-3: 207-218

Flechtmann, C.H.W. / De Moraes, G.J. (2022): Phyto-

phagous and predatory mites (Acari) on Cyperaceae (Plantae: Poales). - Syst. Appl. Acarol. 27,12: 2618-2624

Ganguly, M. / Karmakar, K. (2022): Two new species of *Steneotarsonemus* (Acari: Tarsonemidae) from the Himalayan forests of West Bengal, India. - Syst. Appl. Acarol. 27,12: 2476-2492

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

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

Haitlinger, R. (2022): New records of mites from some European countries (Trombidiformes: Erythraeidae, Trombidiidae) with new data for some species. - Syst. Appl. Acarol. 27,11: 2309-2332

Hakimitabar, M. / Fadaei, E. / Tork, M. (2022): A redescription of *Charletonia damavandica* (Acari: Erythraeidae). - Persian J. Acarol. 11,4: 643-650

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): 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

He, Y. / Du, G. / Xie, S. / Long, X. / Sun, G. / Zhu, S. / He, X. / Liu, Y. / Zhu, Y. / Chen, B. (2022): The insecticidal efficacy and physiological action mechanism of a novel agent GC16 against *Tetranychus pueraricola* (Acari: Tetranychidae). - Insects 13: 433; 18 pp.; DOI: 10.3390/insects13050433

Hernandez-Rivera, S.E. / Rodriguez-Maciel, J.C. / Lagunes-Tejeda, A. / Guzmán-Franco, A.W. / Tejeda-Reyes, M.A. / Silva-Aguayo, G. (2022): Temperature-mortality response of eggs, larvae, protonymphs, deutonymphs, and adult females of *Tetranychus urticae* (Acari: Tetranychidae). - J. Entomol. Sci. 57,2: 248-257

Hu, J. / Wang, J. / Yu, Y. / Rao, W. / Chen, F. / Wang, C. / Fan, G. (2022): Cross-resistance pattern and genetic studies in spirotetramat-resistant citrus red mite, *Panonychus citri* (Acari: Tetranychidae). - Agriculture 12: 137; 13 pp.; DOI: 10.3390/agriculture12050737

Hu, Q.-Q. / Yu, X.-Y. / Xue, X.-F. / Hong, X.-Y. / Zhang, J.-P. / Sun, J.-T. (2022): Phylogenetic-related divergence in perceiving suitable host plants among five spider mites species (Acari: Tetranychidae). - Insects 13: 705; 10 pp.; DOI: 10.3390/insects13080705

Inak, E. / Alpkent, Y.N. / Saalwaechter, C. / Albayrak, T. / Inak, A. / Dermauw, W. / Geibel, S. / Van Leeuwen, T. (2022): Long-term survey and characterization of cyflumetofen resistance in *Tetranychus urticae* populations from Turkey. - Pest. Biochem. Physiol. 188: 105235; DOI: 10.1016/j.pestbp.2022.105235

Inak, E. / Cobanoglu, S. / Auger, P. / Migeon, A. (2022):* Molecular identification and phylogenetic analysis of spider mites (Prostigmata: Tetranychidae) of Turkey. - Exp. Appl. Acarol. 87,2-3: 195-205

Ismail, M.S. / Abdallah, A.M. / Aboghalia, A.H. (2022): Silicon derivatives induced host plant resistance against *Tetranychus urticae* (Acari: Tetranychidae) in eggplants farms. - Persian J. Acarol. 11,4: 681-693

Ismail, T. / Keratum, A. / El-Hetawy, L. (2022): Formulation of abamectin and plant oil-based nanoemulsions with efficacy against the two-spotted spider mite *Tetranychus urticae* (Acari: Tetranychidae) under laboratory and field conditions. - Appl. Biol. Chem. 65: 61; 8 pp.; DOI: 10.1186/s13765-022-00731-9

Jakubowska, M. / Dobosz, R. / Zawada, D. / Kowalska, J. A (2022): Review of crop protection methods against the twospotted spider mite - *Tetranychus*

urticae Koch (Acari: Tetranychidae) - with special reference to alternative methods. - Agriculture 12: 898; 21 pp.; DOI: 10.3390/agriculture12070898

Johansen, N.S. / Trandem, N. / Le, V.H. / Stensvand, A. (2022): The potential for using aerated steam to eradicate strawberry mite and two-spotted spider mite on strawberry transplants. - Exp. Appl. Acarol. 88,3: 243-262

Kamran, M. / Khan, E.M. / Alatawi, F.J. (2022): Genus *Obdulia* Pritchard and Baker (Acari: Tenuipalpidae) from Saudi Arabia; a new species and re-description of O. daadi Al-Gboory. - J. Nat. Hist. 56,41-44: 1609-1625

Kayal, S. / Mondal, P. / Karmakar, K. (2022): The first record of *Ceratotarsonemus* (Acari: Tarsonemidae) from the Oriental region with description of a new species from West Bengal, India. - Zootaxa 5182 (3): 238-246

Khadem-Safdarkhani, H. / Hajiqanbar, H. / Mehrabadi, M. (2022): Erratum: (Description of all active life stages (except male) of the *Pimeliaphilus lindquisti* sp. nov. (Acari: Prostigmata: Pterygosomatidae) with review of host specificity and world distribution of the genus). - Syst. Appl. Acarol. 27,11: 2365-2368

Khadem-Safdarkhani, H. / Hajiqanbar, H. / Riegler,M. / Seeman, O. / Katlav, A.S. (2022): Two new phoretic species of heterostigmatic mites (Acari: Prostigmata: Neopygmephoridae and Scutacaridae) on Australian hydrophilid beetles (Coleoptera: Hydrophilidae). - Insects 13: 483; 15 pp.; DOI: 10.3390/insects13050483

Khan, E.M. / Kamran, M. / Alatawi, F.J. (2022): False spider mites (Trombidiformes: Tenuipalpidae) from Saudi Arabia; a new species of the genus *Phytoptipalpus* Trägardh, and first records of species in the genera *Obuloides* Baker & Tuttle and *Aegyptobia* Sayed. - Acarologia 62,4: 1111-1118

Khaustov, A.A. (2022): New data on the fauna of Stigmaeidae (Acari, Prostigmata) of the Altai Republic, Russia. - Acarina 30,2: 181-210

Khaustov, A.A. (2022): A new species and a new record of *Tanytydeus* (Acari: Paratydeidae) from Asian Russia. - Syst. Appl. Acarol. 27,8: 1663-1676

Khaustov, A.A. / Berto, M. / Carrillo, D. (2022): A new species of *Brasilopsis* and redescription of *Acarothorectes curculionium* (Acari: Pygmephoridae) associated with ambrosia beetles (Coleoptera: Scolytinae) from USA. - Syst. Appl. Acarol. 27,8: 1648-1662

Khaustov, A.A. / Frolov, A.V. (2022): New taxa of Athyreacaridae (Acari: Heterostigmata) from Neotropical and Afrotropical realms. - Zootaxa 5188 (6): 501-520

Khaustov, A.A. / Frolov, A.V. (2022): Two new species of *Pavania* (Acari: Heterostigmata: Dolichocybidae) associated with scarab beetles (Coleoptera: Scarabaeidae) from Tanzania and Madagascar. - Persian J. Acarol. 11,4: 545-558

Khaustov, A.A. / Khaustov, V.A. (2022): A new species of *Sevastianoviella* (Acari: Heterostigmata: Pygmephoridae) from Crimea. - Persian J. Acarol. 11,3: 457-470

Khaustov, A.A. / Salavatulin, V.M. (2022): First record of Adamystidae (Acari, Prostigmata) from Russia. - Acarina 30,2: 211-217

Khodayari, S. / Abedini, F. (2022): Alfalfa responses to drought, salinity, and herbivory by *Tetranychus urticae* (Acari: Tetranychidae) and performance of the pest on water-stressed plants. - Persian J. Acarol. 11,4: 695-711

Kiany, N. / Seiedy, M. / Hakimitabar, M. / Husemann, M. (2022): A contribution to the knowledge of *Charletonia nazeleae* (Acari: Erythraeidae). - Persian J. Acarol. 11,4: 651-661

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

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

Kun, M.E. (2022): First record of the genus *Tanytydeus* (Acari: Paratydeidae) from South America with description of a new species from the Patagonian forests of Argentina. - Acarologia 62,4: 1084-1097

Lee, M.-W. / Lee, D.-H. / Nam, I. / Lee, J.-W. / Huh, M.-J. / Roh, G.-H. / Park, I.-K. (2022):* Acaricidal activities of *Dioscorea japonica* Thunb. (Dioscoreales: Dioscoreaceae) extract and its constituents against the two-spotted spider mite, *Tetranychus urticae* Koch (Trombidiformes: Tetranychidae). - J. Econ. Entomol. 115,6: 1921-1929

Li, L. / Yu, L. / He, L. / He, X.Z. / Jiao, R. / Xu, C. (2022): Temperature-dependent development and reproduction of *Tarsonemus confusus* (Acari: Tarsonemidae): an important pest mite of horticulture. - Exp. Appl. Acarol. 88,3: 301-316

Liu, Y. / Nie, Y. / Chen, J. / Lu, T. / Niu, L. / Jia, J. / Ye, Z. / Fu, Y. (2022): Genetic diversity of three major spider mites damaging rubber trees. - Syst. Appl. Acarol. 27,10: 2025-2037

Liu, Z. / Wu, F. / Liang, W. / Zhou, L. / Huang, J. (2022): Molecular mechanisms underlying metabolic resistance to Cyflumetofen and Bifenthrin in *Tetranychus urticae* Koch on Cowpea. - Int. J. Mol. Sci. 23: 16220; 19 pp.; DOI: 10.3390/ijms232416220

Mahdavi, S.M. / Asadi, M. / Paktinat-Saeij, S. / Ghanbarzadeh, M.A. / Ziaei-Rad, H. (2022): A new species of *Dolichotetranychus* (Trombidiformes: Tenuipalpidae) damaging *Dracaena trifasciata* (Asparagaceae) in Iran. - Syst. Appl. Acarol. 27,10: 2012-2024

Mahdavi, S.M. / Latifi, M. / Asadi, M. / Auger, P. (2022): A new species of *Augeriflechtmannia* (Prostigmata: Tetranychidae) from *Haloxylon ammodendron* (Amaranthaceae) in Iran and a key to the world species. - Acarologia 62,4: 898-907

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

Marciniak-Musial, N. / Sikora, B. (2022): Quill mites of the family Syringophilidae (Acariformes: Prostigmata) associated with the New World and African parrots (Psittaciformes: Psittacidae) with the description of eight new species. - J. Med. Entomol. 59,5: 1562-1588

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

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

Mohammad-Doustaresharaf, M. / Kazemi, S. (2022): The Caspian Sea coastal mites: redescription of *Caligonella geonoma* Smith-Meyer & Ueckermann and a new record of *Caligonella* Grandjean (Acari: Prostigmata: Caligonellidae) from Iran. - Acarologia 62,3: 763-771

Mohammad-Doustaresharaf, M. / Kazemi, S. (2022): Description of a new species of *Raphignathus* Dugès (Acari: Prostigmata: Raphignathidae), with a key to the Iranian species of the genus. - Syst. Appl. Acarol. 27,11: 2212-2223

Mokhtari, B. / Saber, M. / Mahdavinia, G.R. / Iranipour, S. (2022): Lethal and sublethal impacts of cyflumetofen and bromopropylate on *Tetranychus urticae* Koch (Acari: Tetranychidae). - Persian J. Acarol. 11,3: 531-543

Mondal, P. / Ganguly, M. / Kayal, S. (2022): A new species of *Xenotarsonemus* (Acari: Tarsonemidae) from West Bengal, India with keys to the Asian species. - Syst. Appl. Acarol. 27,10: 1888-1900

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

Musa, A. / Medo, I. / Maric, I. / Marcic, D. (2022):* Transovarial toxicity matters: lethal and sublethal effects of hexythiazox on the two-spotted spider mite (Acari: Tetranychidae). - Exp. Appl. Acarol. 87,2-3: 175-194

Mushtaq, H.M.S. / Kamran, M. / Alatawi, F.J. (2022): New species, new records, and re-descriptions of two species of the genus *Oligonychus* Berlese

(Acari: Prostigmata: Tetranychidae) from Saudi Arabia. - Syst. Appl. Acarol. 27,12: 2568-2582

Nascimento, R.S. / Castro, E.B. / Tassi, A.D. / Ochoa, R. / Oliveira, A.R. (2022): First record of *Tenuipalpus panici* De Leon (Acari: Tenuipalpidae) in South America, with new morphological data and a discussion on the ontogeny of setae. - Syst. Appl. Acarol. 27,11: 2195-2211

Ndiaye, S.G. / Welty, C. (2022): Augmentation and conservation biological control of *Tetranychus urticae* on hops in Ohio. - Biol. Contr. 173: 104980; 15 pp.; DOI: 10-1016/j.biocontrol.2022.104980

Novgorodova, T. / Vladimirova, N. / Marchenko, I. / Sadokhina, T. / Tyurin, M. / Ashmarina, L. / Bakshaev, L. / Lednev, G. / Danilov, V. (2022): The effect of bean seed treatment with entomopathogenic fungus *Metarhizium robertsii* on soil microarthropods (Acari, Collembola). - Insects 13: 807; 13 pp.; DOI: 10.3390/insects13090807

Ortiz Meneses, F.A. / Guerra Sierra, B.E. / Osorio Alvarado, C.E. / Rodriguez González, L.G. (2022): Actividad acaricida in vitro de compuestos sobre *Schizotetranychus hindustanicus* (Hirst), Acari, Tetranychidae) ácaro Hindú de Los Citricos. - Bioagro 34,2: 173-182

Ou, C. / Jiang, N. / Cheng, W. / Lei, T. / Jiang, S. / Yao, X. (2022): Detoxification enzyme activity, reproductive and developmental fitness of abamectin-resistant *Bryobia praetiosa* (Acari: Tetranychidae). - Phytoparasitica 51: 101-112; DOI: 10.1007/s12600-022-01022-1

Pakyari, H. (2022):* Effect of cold storage on development and demographic parameters of *Scolothrips longicornis* fed on two-spotted spider mite. - Bull. Entomol. Res. 112,5: 674-680

Pan, X. / Ochoa, R. / Jin, D. / Yi, T. (2022): Review on the genus *Stylophoronychus* (Acari: Tetranychidae), with description of a new species. - Insects 13: 1176; 32 pp.; DOI: 10.3390/insects13121176

Pan, X.-J. / Jin, D.-C. / Yi, T.-C. (2022): A new species of *Aponychus* (Acariformes, Tetranychidae) from China. In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.) (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 211-231

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

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

Pereira de Lima, R. / Guzzo, E.C. / Breda, M.O. (2022): Biological performance of *Tetranychus bastosi* (Acari: Tetranychidae) on different hosts. - Acarologia 62,4: 1210-1216

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

Porta, A.O. / Michalik, P. / Ramirez, M.J. (2022): *Caeculus fedrae* sp. nov., a new fossil species of rake-legged mite (Acari: Caeculidae) from Baltic amber. - Acarologia 62,4: 1154-1170

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

Rajashekharappa, K. / Ambarish, S. / Onkarappa, S. (2022):* Evaluation of propargite 50% + bifenthrin 5 % SE against red spider mite, *Tetranychus urticae* in okra. - J. Entomol. Res. 46,4: 793-796

Razdoburdin, V.A. / Kirillova, O.S. / Kozlova, E.G. (2022):* Interactions in the System "Cucumber plant - spider mite *Tetranychus urticae* Koch (Acarina, Tetranychidae) - predatory midge *Feltiella luboviae* Fedotova et Kozlova (Diptera, Cecidomyiidae)" treated with Ethyl Arachidonate. - Entomol. Rev. 102,6: 844-852

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

Sabri, M.N.-A. / Jahan, M. / Gotoh, T. / Döker, I. / Ullah, M.S. (2022): Effect of relative humidity on the efficacy of entomopathogen *Beauveria bassiana* - based mycopesticide against red spider mite *Tetranychus macfarlanei*. - Syst. Appl. Acarol. 27,12: 2414-2425

Saeidi, Z. (2022): Influence of drought and temperature on population density of two species of spider mites and their predator *Scolothrips longicornis* in almond orchards. - J. Entomol. Soc. Iran 42,3: 173-182

Safeena, M.A.A. / Srinivasa, N. / Chinnamadegowda, C.C. / Rajashekharappa, K. / Rakesh, H.P. (2022):* Redescription of the spider mite, *Oligonychus thelytokus* Gutierrez from India and ist temperature-related biological performance. - J. Entomol. Res. 46,4: 888-896

Santhana, B.N. / Rabeesh, T.P. / Mahendran, P. / Sujatha, K. (2022):* Toxicity of commonly using pesticides against the eggs and adults of *Helopeltis theivora* (Hemiptera, Miridae) *and Oligonychus coffeae* (Tetranychus, Acari) in tea. - J. Entomol. Res. 46, Suppl.: 1063-1068

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: e 9530; 16 pp.; DOI: 10.1002/ece3.9530

Shankar, M. / Ravinder, N.V. / Balazzii, N.R.V.T. / Sumalini, K. (2022):* Assessment of acaricides combination with fungicide against panicle mite, *Steneotarsonemus spinki* Smiley (Acari, Tarsonemidae) in rice at Nalgonda, Telangana. - J. Entomol. Res. 47,1: 112-116

Shatrov, A.B. / Kazakov, D.V. / Antonovskaia, A.A. / Gorobeyko, U.V. (2022): Morphological characterization of stylostome and skin reaction produced by *Leptotrombidium album* (Acariformes, Trombiculidae) on the bat *Barbastella pacifica* from Kunashir Island. - Syst. Appl. Acarol. 27,10: 1970-1990

Shimizu, Y. / Ichi, R. (2022):* Acaricidal effects of sulfur agents on two red spider mites, *Oligonychus coffeae* (Nienter) and *Oligonychus biharensis* (Hirst) (Acarina: Tetranychidae) infesting mango in the laboratory and greenhouse. - Intern. J. Trop. Ins. Sci. 42: 3583-3591

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

Singh, S.S. / Mer Rakesh, R. (2022):* Studies on acaricidal efficacy for management of red spider mite (*Tetranychus cinnabarinus* Boisd.) in Brinjal. - J. Entomol. Res. 47,1: 121-125

Skoracki, M. / Sikora, B. / Unsoeld, M. / Hromada, M. (2022): Mite fauna of the family Syringophilidae (Acariformes: Prostigmata) parasitizing Darwin's Finches in Galápagos Archipelago. - Diversity 14: 585; 9 pp.; DOI: 10.3390/d14080585

Skoracki, M. / Unsöld, M. / Sikora, B. (2022): Redescription of *Syringophilioidus glandarii* (Fritsch, 1958) with new records of hosts and localities (Acariformes, Syringophilidae). - Spixiana 45,1: 39-44

Skoracki, M. / Unsöld, M. / Sikora, B. (2022): A new species of the genus *Aulobia* Kethley (Acariformes: Syringophilidae) parasitizing *Daphoenositta chrysoptera* (Passeriformes: Neosittidae) in Australia. - Acarologia 62,4: 908-915

Solti, I. / Kolics, E. / Keszthelyi, S. / Bacsi, Z. / Staszny, A. / Nagy, E. / Taller, J. / Matyas, K. / Kolics, B. (2022): Evaluation of the acaricidal activity of lithium chloride against *Tetranychus urticae* (Acari: Tetranychidae). - Horticulturae 8,12: 1127; 8 pp.; DOI: 10.3390/horticulturae8121127

Stathakis, T.I. / Vrettos, D.P. / Panou, E.N. (2022): New Bryobiinae (Acari: Trombidiformes: Tetranychidae) from Kea Island, Greece. - Syst. Appl. Acarol. 27,11: 2224-2240

Stekolnikov, A.A. (2022): Revision of the African chigger genus *Austracarus* (Acariformes: Trombiculidae: Leeuwenhoekiinae). - Syst. Appl. Acarol. 27,8: 1596-1617

Stekolnikov, A.A. / Matthee, S. (2022): Two new species and new records of chigger mites (Acariformes: Trombiculidae) from South Africa. - Intern. J. Acarol. 48,7: 594-604

Stekolnikov, A.A. / Quetglas, J. / Ibánez, C. / Sánchez-Navarro, S. (2022): Contribution to the fauna of chiggers (Acariformes: Trombiculidae) parasitizing bats in Spain. - Acarologia 62,4: 1201-1209

Szudarek-Trepto, N. / Kazmierski, A. / Skoracka, A. / Lewandowski, M. / Dabert, J. (2022): Molecular phylogeny supports the monophyly of the mite supercohort Eupodides (Acariformes, Trombidiformes) and greatly coincides with traditional morphological definition of the taxon. - Ann. Zool. 72,4: 757-786

Tabasum, S. / Buhroo, A.A. (2022):* Impact of abiotic stresses on the population dynamics of *Tetranychus urticae* Koch (Acari: Tetranychidae) on vegetable crops in Kashmir. - Intern. J. Trop. Ins. Sci. 43: 61-72

Tadatsu, M. / Skashita, R. / Panteleri, R. / Douris, V. / Vontas, J. / Shimotsuma, Y. / Ishida, T. / Sudo, M. / Van Leeuwen, T. / Osakabe, M. (2022): A mutation in chitin synthase I associated with etoxazole resistance in the citrus red mite *Panonychus citri* (Acari, Tetranychidae) and ist uneven geographical distribution in Japan. - Pest Manag. Sci. 78: 4028-4036

Tehrani, A.H.H. / Abbasipour, H. / Rezazadeh, A. (2022):* Phytochemical and acaricidal study of the Kermani lemongrass, *Dracocephalum polychaetum* Bornm. (Lamiaceae) essential oil against *Tetranychus urticae* Koch. - Intern. J. Acarol. 48,6: 503-509

Teymouri, N. / Alizadeh, A. / Haghiralsadat, F. / Hemati, M. (2022):* Evaluation of sublethal effects of abamectin nanoformulation on *Tetranychus urticae* Koch (Acari: Tetranychidae): nanoliposomal versus nanoniosomal abamectin. - Intern. J. Trop. Ins. Sci. 42: 2805-2817

Thia, J.A. / Cheng, X. / Maino, J. / Umina, P.A. / Hoffmann, A.A. (2022): Warmer temperatures reduce chemical tolerance in the redlegged earth mite (*Halotydeus destructor*), an invasive winer-active pest. - Pest Manag. Sci. 78,7: 3071-3079

Toshkova, N. / Zlatkov, B. / Fakirova, A. / Zhelyazkova, V. / Simov, N. (2022): First record of *Psorergatoides* Fain, 1959 (Acari, Cheyletoidea, Psorergatidae) for the Balkan Peninsula with description of the cutaneous lesions on the wing membrane of its hosts *Myotis myotis* (Borkhausen, 1797) and *Myotis blythii* (Tomes, 1857) (Chiroptera, Vespertilionidae). - Biodivers. Data J. 10: e89514; 9 pp.; DOI: 10.3897/BDJ.10.e89514

Trevino-Barbosa, G. / Ordaz-Silva, S. / Gaona-Garcia, G. / Hernández-Juárez, A. / Mora-Ravelo, S.G. / Chacón Hernández, J.C. (2022): The resistance of seven host plants to *Tetranychus merganser* Boudreaux (Acari: Tetranychidae). - Insects 13: 167; 11 pp. ; DOI: 10.3390/insects13020167

Ueckermann, E.A. / De La Paz, J.C. / Hernández-Teixidor, D. / Durucan, F. (2022): Rediscovery and redescription of *Teneriffia quadripapillata* Sig Thor (Acari: Trombidiformes: Teneriffiidae). - Acarologia 62,3: 786-797

Ullah, M.S. / Kobayashi, Y. / Gotoh, T. (2022): Development and reproductive capacity of the miyake spider mite *Eotetranychus kankitus* (Acari: Tetranychidae) at different temperatures. - Insects 13: 910; 17 pp.; DOI: 10.3390/insects13100910

Umina, P.A. / Weeks, A.R. / Maino, J.L. / Hoffmann, A.A. / Song, S.V. / Thia, J. / Severtson, D. / Cheng, X. / Van Rooyen, A. / Arthur, A.A. (2022): Australian *Bryobia* mites (Trombidiformes: Tetranychidae) form a complex of cryptic taxa with unique climatic niches and insecticide responses. - Pest Manag. Sci. 78: 2860-2871

Weerawansha, N. / Wang, Q. / He, X.Z. (2022): Comparing the effects of social environments and life history traits on sex allocation in a haplodiploid spider mite. - Syst. Appl. Acarol. 27,10: 2123-2130

Weerawansha, N. / Wang, Q. / He, X.-Z. (2022): A haplodiploid mite adjusts fecundity and sex ratio in response to density changes during the reproductive period. - Exp. Appl. Acarol. 88,3: 277-288

Wu, M.T. / Zhang, Q. / Dong, Y. / Wang, Z.C. / Zhan, W.Q. / Ke, Z.B. / Li, S.C. / He, L. / Ruf, S. / Bock, R. / Zhang, J. (2022): Transplastomic tomatoes expressing double-stranded RNA against a conserved gene are efficiently protected from multiple spider mites. - New Phytologist 237,4: 1363-1373

Wu, Y.-F. / Jin, D.-C. / Yi, T.-C. / Guo, J.-J. (2022): Redescription of *Bdella muscorum* Ewing, 1909 (Bdellidae: Bdellinae) from China with its first description of ontogeny. - Insects 12: 1080; 16 pp.; DOI: 10.3390/insects13121080

Wu, Y.-F. / Jin, D.-C. / Yi, T.-C. / Guo, J.-J. (2022): Redescription and new record of *Odontoscirus nipponicus* Shiba, 1985 (Bdellidae: Odontoscirinae) from China with a description of its ontogeny. In: Zhang, Z.-Q. / Fuangarworn, M. (Eds.) (Eds.), Ontogeny and morphological diversity in immature mites (Part VI). - Zootaxa 5187 (1): 211-231

Xiang, R. / Ren, T.-G. / Guo, X.-G. (2022): Research history and progress of six vector chigger species of scrub typhus in China. - Syst. Appl. Acarol. 27,9: 1841-1856

Xu, S.-Y. / Jin, D.-C. / Guo, J.-J. / Yi, T.-C. (2022): Four new species of larval Erythraeoidea (Acari: Trombidiformes: Prostigmata) and three higher taxa new to China: genus *Hirstiosoma* and subfamily Hirstiosomatinae (Smarididae), and genus *Grandjeanella* (Erythraeidae: Abrolophinae). - Syst. Appl. Acarol. 27,9: 1813-1840

Xu, S.-Y. / Yi, T.-C. / Guo, J.-J. / Jin, D.-C. (2022): Two new species and a new combination of the subfamily Erythraeinae based on larval stage (Acari: Trombidiformes: Erythraeidae) from China. - Insects 13: 706; 15 pp.; DOI: 10.3390/insects13080706

Xu, S.-Y. / Yi, T.-C. / Guo, J.-J. / Jin, D.-C. (2022): Four new species of larval *Charletonia* and *Leptus* (Acari: Trombidiformes: Erythraeidae), with a checklist of the two genera and their hosts from China. - Insects 13: 1154; 27 pp.; DOI: 10.3390/insects13121154

Xue, W. / Lu, X. / Mavridis, K. / Vontas, J. / Jonckheere, W. / Van Leeuwen, T. (2022): The H92R substitution in PSST is a reliable diagnostic biomarker for predicting resistance to mitochondrial electron transport inhibitors of complex I in European populations of *Tetranychus urticae*. - Pest Manag. Sci. 78: 3644-3653

Yadegar, M. / Kohanmoo, M.A. / Sohrabi, F. / Khademi, R. / Anjum, F. (2022): Fruit physicochemical properties of several cultivars of date palm and their influence on the susceptibility to *Oligonychus afrasiaticus* (Acari: Tetranychidae) in the southern of Iran. - J. Entomol. Soc. Iran 42,1: 15-27

Yang, Z.G. / Wang, Z.N. / Ni, J. / Da, A.S. / Xie, D.Y. / Chung, H. / Luo, Y.J. (2022):* Seasonality but not photoperiodism affects pesticide toxicity to the two-spotted spider mite, *Tetranychus urticae* Koch (Acari: Tetranychidae). - Intern. J. Trop. Ins. Sci. 43: 43-50

Yano, S. / Konishi, M. / Akino, T. (2022): Avoidance of ant chemical traces by spider mites and its interpretation. - Exp. Appl. Acarol. 88,2: 153-163

Ye, S. / Zhang, H.-Y. / Song, Y.-F. / Yang, M.-F. / Li, L.-T. / Yu, L.-C. / Liu, J.-F. (2022): Complete mitochondrial genome of *Pyemotes zhonghuajia* (Acari: Pyemotidae). - Syst. Appl. Acarol. 27,8: 1677-1686

Yigezu, G. / Wakgari, M. / Goftishu, M. (2022): Management of two-spotted spider mite (Tetranychidae: *Tetranychus urticae* Koch) on potato (*Solanum tuberosum* L.) in Eastern Hararghe, Ethiopia. - Cogent Food Agric. 8,1: 2141237; 22 pp.; DOI: 0.1080/23311932.2022.2141237

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

Zhou, H. / Wan, F. / Guo, F. / Liu, J. / Ding, W. (2022):* High value-added application of a renewable bioresource as acaricide: Investigation the mechanism of action of scoparone against *Tetranychus cinnabarinus*. - J. Adv. Res. 38: 29-39

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: 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

Baliotte, C. / Aquino, D.A. / Dellapé, G. / López, A. / Fernanda, M. / Gittins, C. / Cédola, C. (2021): New association between the mite *Erythraeus* sp. (Acari: Prostigmata: Parasitengona) and the psyllid *Russelliana adunca* (Hemiptera: Psylloidea). - Rev. Soc. Entomol. Argent. 80,4: 149-152

Kheradmand, K. / Heidari, M. / Sedaratian-Jahromi, A. / Talaei-Hassanloui, R. / Havasi, M. (2021):* Biological responses of *Tetranychus urticae* (Acari: Tetranychidae) to sub-lethal concentrations of the entomopathogenic fungus *Beauveria bassiana*. - Bull. Entomol. Res. 112,1: 70-77

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

Mohajer, S.S. / Golizadeh, A. / Hassanpour, M. / Fathi, S.A.A. / Sedaratian-Jahromi, A. / Abedi, Z. (2021):* Interaction between biological parameters of *Panonychus citri* (Acari: Tetranychidae) and some phytochemical metabolites in different citrus species. - Bull. Entomol. Res. 112,4: 509-519

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:

Daidalotarsonemus tambulae Karmakar & Mondal, 2023 (Page: 130[1]) – TYPES: HT[2] - ZSI[3], PT[2] - BCKV[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

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

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

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

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

BCKV - **B**idhan **C**handra **K**rishi **V**iswavidyalaya, Acarology Laboratory, Mohanpur, West Bengal, India

CBGP - **C**entre de **B**iologie et de **G**estion des **P**opulations, Montferrier-sur-Lez, France

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

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

CSWU - **C**ardinal **S**tefan **W**yszynski **U**niversity in Warsaw, Institute of Biological Sciences, Warsaw, Poland

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

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

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

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

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

HUJ - **H**ebrew **U**niversity of **J**erusalem, Jerusalem, Israel

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

INPA - **I**nstituto **N**acional de **P**esquisas da **A**mazonia, Manaus, Brazil

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

LAZAU - **L**aboratory of **A**gricultural **Z**oology and Entomology, **A**gricultural **U**niversity of Athens, Athens, Greece

MCN - **M**useu de **C**iencias **N**aturais of Universidade do Vale do Taquari-Univates, Lajeado, Brazil

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

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

NMNH - **N**ational **M**useum of **N**atural **H**istory, Smithsonian Institution, Washington, USA

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

PIN - **P**aleontological **IN**stitute, Russian Academy of Science, Moscow, Russia

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

RMBH - **R**ussian **M**useum of **B**iodiversity **H**otspots, Russian Academy of Sciences, Arkhangelsk, Russia

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

SMF - **S**enckenberg Forschungsinstitut und Natur**M**useum, **F**rankfurt / Main, Germany

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

SNMB - **S**lovak **N**ational **M**useum, **B**ratislava, Slovakia

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

UFH - **U**niversity of **F**lorida, Acarological Collection, **H**omestead, USA

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

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

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

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

New species

Abrolophus quadrapexicis Xu & Jin, 2022 (Page: 1815) – TYPES: HT + PT - GUGC

Adamystis burjaticus Khaustov & Salavatulin, 2022 (Page: 211) – TYPES: HT + PT - ZISP, PT - TSUMZ

Aegyptobia carmania Mahdavi & Asadi, 2023 (Page: 174) – TYPES: HT + PT - SBUK, PT - ACASI

Aegyptobia insularis Stathakis & Vrettos, 2023 (Page: 457) – TYPES: HT + PT - LAZAU

Agistemus arabensis Kamran, Mirza, Elgoni & Alatawi, 2023 (Page: 585) – TYPES: HT + PT - KSMA

Agistemus neocollyerae Kamran, Mirza, Elgoni & Alatawi, 2023 (Page: 581) – TYPES: HT + PT - KSMA

Agistemus peruvianus Escobar-Garcia, Matioli & Ueckermann, 2023 (Page: 921) – TYPES: HT + PT - ESALQ/USP

Allochaetophora urmiana Bagheri & Mohammad-Doustares, 2022 (Page: 1992) – TYPES: HT + PT - AFUM, PT - JAZM

Allopygmephorus coelostomus Katlav & Hajiqanbar, 2022 (Page: 3) – TYPES: HT + PT - QM

Aplonobia carthaeae Stathakis, Vrettos & Panou, 2022 (Page: 2232) – TYPES: HT + PT - LAZAU

Aponychus mai Pan, Jin & Yi, 2022 (Page: 212) – TYPES: HT + PT - GUGC

Archidispus hydrophilus Khadem-Safdarkhani & Hajiqanbar, 2022 (Page: 8) – TYPES: HT + PT - QM, PT - AETMU

Athyreacarus camerikae Khaustov & Frolov, 2022 (Page: 513) – TYPES: HT + PT - ZISP, PT - TSUMZ

Athyreacarus staturosus Khaustov & Frolov, 2022 (Page: 506) – TYPES: HT + PT - ZISP, PT - TSUMZ

Augeriflechtmannia haloxyloni Mahdavi, Latifi, Asadi & Auger, 2022 (Page: 900) – TYPES: HT + PT - SBUK, PT - CBGP, QM

Aulobia sittellae Skoracki, Unsöld & Sikora, 2022 (Page: 909) – TYPES: HT + PT - AMU, PT - ZSM

Brachytydeus elongatus Khaustov, 2023 (Page: 1336) – TYPES: HT + PT - ZISP, PT - TSUMZ

Brachytydeus juanjosei Escobar-Garcia, Ueckermann & André, 2023 (Page: 264) – TYPES: HT + PT - ESALQ/USP

Brasilopsis floridensis Khaustov, Berto & Carrillo, 2022 (Page: 1651) – TYPES: HT - UFH, PT - TSUMZ

Bryobia (Periplanobia) polymorpha Auger & Migeon, 2023 (Page: 318) – TYPES: HT + PT - CBGP

Bryobia alberensis Auger & Migeon, 2023 (Page: 308) – TYPES: HT + PT - CBGP

Caeculus fedrae Porta, Michalik & Ramirez, 2022 (Page: 1155) – TYPES: HT + 2 PT - SMF

Caramuruacarus carnavalesca Bassini-Silva & Jacinavicius, 2022 (Page: 1302) – TYPES: HT - IBSP

Centrotrombidium krenak Costa, Klimov & Pepato, 2023 (Page: 687) – TYPES: HT + PT - UFMG

Ceratotarsonemus bengalicus Karmakar & Kayal, 2022 (Page: 243) – TYPES: HT - NZC, PT - BCKV

Charadriineopicobia janegoodallae Skoracki, Unsöld, Sikora & Hromada, 2023 (Page: 649) – TYPES: HT + PT - ZSM, PT - AMU

Charletonia rectangia Xu & Jin, 2022 (Page: 2) – TYPES: HT + PT - GUGC

Cheylostigmaeus bimaculatus Khaustov, 2023 (Page: 32) – TYPES: HT + PT - ZISP, PT - TSUMZ

Cheylostigmaeus occultatus Dogan & Dogan, 2022 (Page: 2063) – TYPES: HT + PT - EBYU

Coleoscirus sixsetaegenitalis Wurlitzer & Ferla, 2023 (Page: 34) – TYPES: HT - ESALQ/USP, PT - INPA

Cunaxa asiatica Kalúz & Ermilov, 2023 (Page: 523) – TYPES: HT + PT - SNMB

Cunaxa papilla Chen & Jin, 2023 (Page: 509) – TYPES: HT + PT - GUGC

Cunaxa smileyi Kalúz & Ermilov, 2023 (Page: 527) – TYPES: HT + PT - SNMB

Cunaxa striata Chen & Jin, 2023 (Page: 513) – TYPES: HT + PT - GUGC

Dactyloscirus ladangjagung Corpuz-Raros & Lit, 2022 (Page: 96) – TYPES: HT + PT - UPLB

Dactyloscirus sumatranus Corpuz-Raros & Naredo, 2022 (Page: 91) – TYPES: HT + PT - UPLB

Daidalotarsonemus tambulae Karmakar & Mondal, 2023 (Page: 130) – TYPES: HT - ZSI, PT - BCKV

Dolichotetranychus babolicus Mahdavi, Asadi & Paktinat-Saeij, 2022 (Page: 2013) – TYPES: HT + PT - SBUK

Eatoniana kunyuensis Xu & Jin, 2022 (Page: 8) – TYPES: HT + PT - GUGC

Eatoniana nanlingensis Xu & Jin, 2022 (Page: 2) – TYPES: HT + PT - GUGC

Erythraeus (Zaracarus) mossesus Xu & Jin, 2023 (Page: 1062) – TYPES: HT + PT - GUGC

Eustigmaeus pseudolacunus Khaustov, Kravchenko & Kazakov, 2023 (Page: 86) – TYPES: HT + PT - ZISP, PT - TSUMZ

Eustigmaeus reticulatus Khaustov, Kravchenko & Kazakov, 2023 (Page: 78) – TYPES: HT + PT - ZISP, PT - TSUMZ

Eutrombicula bassinii Jacinavicius & Welbourn, 2023 (Page: 121) – TYPES: HT + PT – IBSP

Geckobia bochkovi Fajfer, 2023 (Page: 252) – TYPES: HT - HUJ, PT - CSWU

Geckobia synthesys Fajfer, 2023 (Page: 256) – TYPES: HT - HUJ, PT - CSWU

Grandjeanella dianensis Xu & Jin, 2022 (Page: 1822) – TYPES: HT + PT - GUGC

Hirstiosoma tibetensis Xu & Jin, 2022 (Page: 1830) – TYPES: HT + PT - GUGC

Kayella bothmai Stekolnikov & Matthee, 2022 (Page: 497) – TYPES: HT + PT - ZISP

Lawrencipicobia ararauna Marciniak-Musial & Sikora, 2022 (Page: 1573) – TYPES: HT - AMU, PT - ZSM

Lawrencipicobia arini Marciniak-Musial & Sikora, 2022 (Page: 1571) – TYPES: HT - AMU

Lawrencipicobia touiti Marciniak-Musial & Sikora, 2022 (Page: 1573) – TYPES: HT - AMU

Lepidocunaxoides bisetosus Chen & Jin, 2023 (Page: 232) – TYPES: HT + PT - GUGC

Leptus baspinari Kapankaya, Saboori & Cakmak, 2023 (Page: 128) – TYPES: HT + PT - JAZM

Leptus bomiensis Xu & Jin, 2022 (Page: 8) – TYPES: HT + PT - GUGC

Leptus longisolenidionus Xu & Jin, 2022 (Page: 13) – TYPES: HT + PT - GUGC

Leptus striatus Xu & Jin, 2022 (Page: 18) – TYPES: HT

+ PT - GUGC

Leptus trisolenidionus Xu & Jin, 2022 (Page: 1826) – TYPES: HT + PT - GUGC

Linotetranus sibiriensis Khaustov & Khaustov, 2023 (Page: 68) – TYPES: HT + PT - ZISP, PT - TSUMZ

Lorryia sibiriensis Khaustov, 2023 (Page: 492) – TYPES: HT + PT - ZISP, PT - TSUMZ

Lorryia speciosa Khaustov, 2023 (Page: 494) – TYPES: HT - ZISP, PT - TSUMZ

Marantelophus neodubifurcatus Xu & Jin, 2023 (Page: 1057) – TYPES: HT + PT - GUGC

Mezranobia variata Stathakis, Vrettos & Panou, 2022 (Page: 2229) – TYPES: HT + PT - LAZAU

Neoathyreacarus pygmephoroides Khaustov & Frolov, 2022 (Page: 502) – TYPES: HT + PT - ZISP, PT - TSUMZ

Neoaulobia unsoeldi Marciniak-Musial & Sikora, 2022 (Page: 1566) – TYPES: HT - AMU, PT - ZSM

Newellia xakriaba Costa, Klimov & Pepato, 2023 (Page: 681) – TYPES: HT + PT - UFMG

Nothrotrombidium sadeghii Noei & Kohansal, 2023 (Page: 657) – TYPES: HT + PT - JAZM, PT - DPPZ, NHME

Obdulia neotamaricis Kamran, Khan & Alatawi, 2022 (Page: 1611) – TYPES: HT + PT - KSMA

Odontacarus thesigeri Stekolnikov, 2023 (Page: 5) – TYPES: HT + PT - ZISP

Oligonychus washingtoniae Mushtaq, Kamran & Alatawi, 2022 (Page: 2569) – TYPES: HT + PT - KSMA

Paratriophtydeus (Platytydaeolusus) russelli Laniecka, 2023 (Page: 733) – TYPES: HT + PT - SMNG

Pavania madagascariensis Khaustov & Frolov, 2022 (Page: 550) – TYPES: HT + 10 PT - ZISP, 5 PT - JAZM, PT - TSUMZ

Pavania neoafricana Khaustov & Frolov, 2022 (Page: 546) – TYPES: HT + 10 PT - ZISP, 5 PT - JAZM, PT - TSUMZ

Phytoptipalpus jubailensis Khan, Kamran & Alatawi, 2022 (Page: 1112) – TYPES: HT + PT - KSMA

Postumius asiaticus Khaustov & Kazakov, 2023 (Page: 756) – TYPES: HT + PT - ZISP, PT - TSUMZ

Premicrodispus (Premicrodispulus) kurganiensis Khaustov & Khaustov, 2023 (Page: 60) – TYPES: HT - ZISP, PT - TSUMZ

Rafapicobia pyrrhura Marciniak-Musial & Sikora, 2022 (Page: 1579) – TYPES: HT - AMU, PT - ZSM

Rafapicobia trinidadi Marciniak-Musial & Sikora, 2022 (Page: 1582) – TYPES: HT - AMU, PT - ZSM

Rafapicobia valdiviana Marciniak-Musial & Sikora, 2022 (Page: 1576) – TYPES: HT - AMU, PT - ZSM

Rafapicobia xanthopterygius Marciniak-Musial & Sikora, 2022 (Page: 1582) – TYPES: HT - AMU, PT - ZSM

Raphignathus caspicus Mohammad-Doustaresharaf & Kazemi, 2022 (Page: 2213) – TYPES: HT - AFUM, PT - JAZM

Scirula artemisae Paktinat-Saeij, Davari & Hakimitabar, 2023 (Page: 1369) – TYPES: HT - JAZM, PT - ACASI

Schoutedenichia finisafricae Stekolnikov & Matthee, 2022 (Page: 598) – TYPES: HT + PT - ZISP

Scutascirus scutusmedialis Wurlitzer & Ferla, 2023 (Page: 30) – TYPES: HT + PT - ESALQ/USP, PT - MCN

Sevastianoviella taurica Khaustov & Khaustov, 2022 (Page: 458) – TYPES: HT + PT - ZISP

Smaris hajiqanbari Santos Costa, Gomes-Almeida & Pepato, 2022 (Page: 220) – TYPES: HT - UFMG

Spatulaphorus mexicanus Trejo-Palacios, 2023 (Page: 78) – TYPES: HT + PT - CNAC

Steneotarsonemus kharukiae Karmakar & Ganguly, 2022 (Page: 2478) – TYPES: HT + PT - NZC

Steneotarsonemus mohanasundarami Karmakar & Ganguly, 2022 (Page: 2482) – TYPES: HT + PT - NZC

Stigmaeus altaicus Khaustov, 2022 (Page: 185) – TYPES: HT + PT - ZISP, PT - TSUMZ

Stigmaeus dokeri Mohammad-Doustaresharaf, Bagheri & Lotfollahi, 2023 (Page: 186) – TYPES: HT + PT - AFUM, PT - JAZM

Stigmaeus neosolidus Khaustov, 2022 (Page: 181) – TYPES: HT + PT - ZISP, PT - TSUMZ

Stigmaeus quercus Akyol, 2023 (Page: 167) – TYPES: HT + PT - CBZM

Stylophoronychus wangae Pan, Jin & Yi, 2022 (Page: 18) – TYPES: HT + PT - GUGC

Tanytydeus nothofagi Kun, 2022 (Page: 1085) – TYPES: HT + PT - MLP

Tanytydeus sakhalinensis Khaustov, 2022 (Page: 1664) – TYPES: HT+ PT - ZISP, PT - TSUMZ

Tetranychus visigothus Auger & Migeon, 2023 (Page: 336) – TYPES: HT + PT - CBGP

Troglotrombidium dolichopodum Sevsay & Elverici, 2023 (Page: 946) – TYPES: HT + PT - EBYU

Ultratenuipalpus parameekeri Castro, Ochoa & Feres, 2023 (Page: 3) – TYPES: HT + PT - DZSJRP, PT - NMNH

Unguicheylus quadriocellatus Khaustov, Vorontsov & Lindquist, 2023 (Page: 770) – TYPES: HT - PIN

Unionicola (Dimockatax) haungthayawensis Chapurina, Kondakov, Chan, Vikhrev, Bolotov, Konooleva, Win & Lunn, 2022 (Page: 32) – TYPES: HT + PT - RMBH

Whartonia parauapebensis Bassini-Silva & Jacinavicius, 2022 (Page: 1305) – TYPES: HT - IBSP

Xenotarsonemus barshai Kayal & Karmakar, 2023 (Page: 5) – TYPES: HT - ZSI, PT - BCKV

Xenotarsonemus krishnai Mondal & Ganguly, 2022 (Page: 1889) – TYPES: HT + PT - NZC, PT - BCKV

Xenotarsonemus lingua Kayal & Karmakar, 2023 (Page: 3) – TYPES: HT - ZSI, PT - BCKV

New families

Unguicheylidae Khaustov, Vorontsov & Lindquist, 2023 (Page: 767) – Typ. gen.: *Unguicheylus* Khaustov, Vorontsov & Lindquist, 2023

New genera

Albertibarbutia Lamos, 2023 (Page 54) - Typ. sp.: *Barbutia arasbaraniensis* Mohammad-Doustaresharaf & Bagheri, 2021

Caramuruacarus Bassini-Silva & Jacinavicius, 2022 (Page: 1299) – Typ. sp.: *Caramuruacarus carnavalesca* Bassini-Silva and Jacinavicius, 2022

Troglotrombidium Sevsay & Elverici, 2023 (Page: 945) – Typ. sp.: *Troglotrombidium dolichopodum* Sevsay & Elverici, 2023

Unguicheylus Khaustov, Vorontsov & Lindquist, 2023 (Page: 767) – Typ. sp.: *Unguicheylus quadriocellatus* Khaustov, Vorontsov & Lindquist, 2023

Paratriophtydeus (Platytydaeolusus) Laniecka, 2023 (Page: 733) – Typ. sp.: *Paratriophtydeus (Platytydaeolus) russelli* Laniecka & Kazmierski, 2023

New combinations

Afrotrombicula centrafricana (Goff, 1995) – [Stekolnikov, 2023: 45]

Afrotrombicula claviglia (Radford, 1948) – [Stekolnikov, 2023: 29]

Afrotrombicula kenyaensis (Radford, 1948) – [Stekolnikov, 2023: 33]

Afrotrombicula nicolei (Taufflieb, 1958) – [Stekolnikov, 2023: 33]

Afrotrombicula rickenbachi (Taufflieb, 1965) – [Stekolnikov, 2023: 39]

Afrotrombicula zairiensis (Taufflieb, 1966) – [Stekolnikov, 2023: 42]

Austracarus womersleyi (Lawrence, 1948) – [Stekolnikov, 2022: 1614]

Austracarus theileri (Radford, 1947) – [Stekolnikov, 2022:

1611]

Eatoniana yangshuonicus (Haitlinger, 2006) – [Xu, Yi, Guo & Jin, 2022: 2]

Hirstiosoma sadafae (Amin, Khanjani & Nadri, 2020) – [Xu, Jin, Guo & Yi, 2022: 1835]

Lorryia argutus (Kuznetsov & Petrov, 1979) – [Khaustov, 2023: 507]

Lorryia serpettae (Momen & Lundqvist, 2005) – [Khaustov, 2023: 513]

Lorryia szeptyckii (Kazmierski, 2009) – [Khaustov, 2023: 513]

New synonyms

Austrombicula Lawrence, 1949 – [Stekolnikov, 2022: 1598]
= Austracarus Lawrence, 1949

Eustigmaeus mineus Barilo, 1989 – [Khaustov, Kravchenko & Kazakov, 2023: 95]
= Eustigmaeus collarti (Cooreman, 1955)

Neotrombicula cercopitheci cercopitheci Vercammen-Grandjean, 1965 nom. nud. – [Stekolnikov, 2023: 39]
= Afrotrombicula rickenbachi (Taufflieb, 1965)

Neotrombicula chicapa Vercammen-Grandjean, 1965 nom. nud. – [Stekolnikov, 2023: 39]
= Afrotrombicula rickenbachi (Taufflieb, 1965)

Neotrombicula kinduensis Vercammen-Grandjean, 1965 nom. nud. – [Stekolnikov, 2023: 39]
= Afrotrombicula rickenbachi (Taufflieb, 1965)

Stigmaeus boshroyehensis Khanjani, Izadi, Asali Fayaz, Raisi, Rostami & Dogan, 2010 – [Mohammad-Doustaresharaf, Bagheri & Lotfollahi, 2023: 192]
= Stigmaeus malekii Hadded, Bagheri & Khanjani, 2006

ACARI
Bibliographia Acarologica

23 · 2023

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