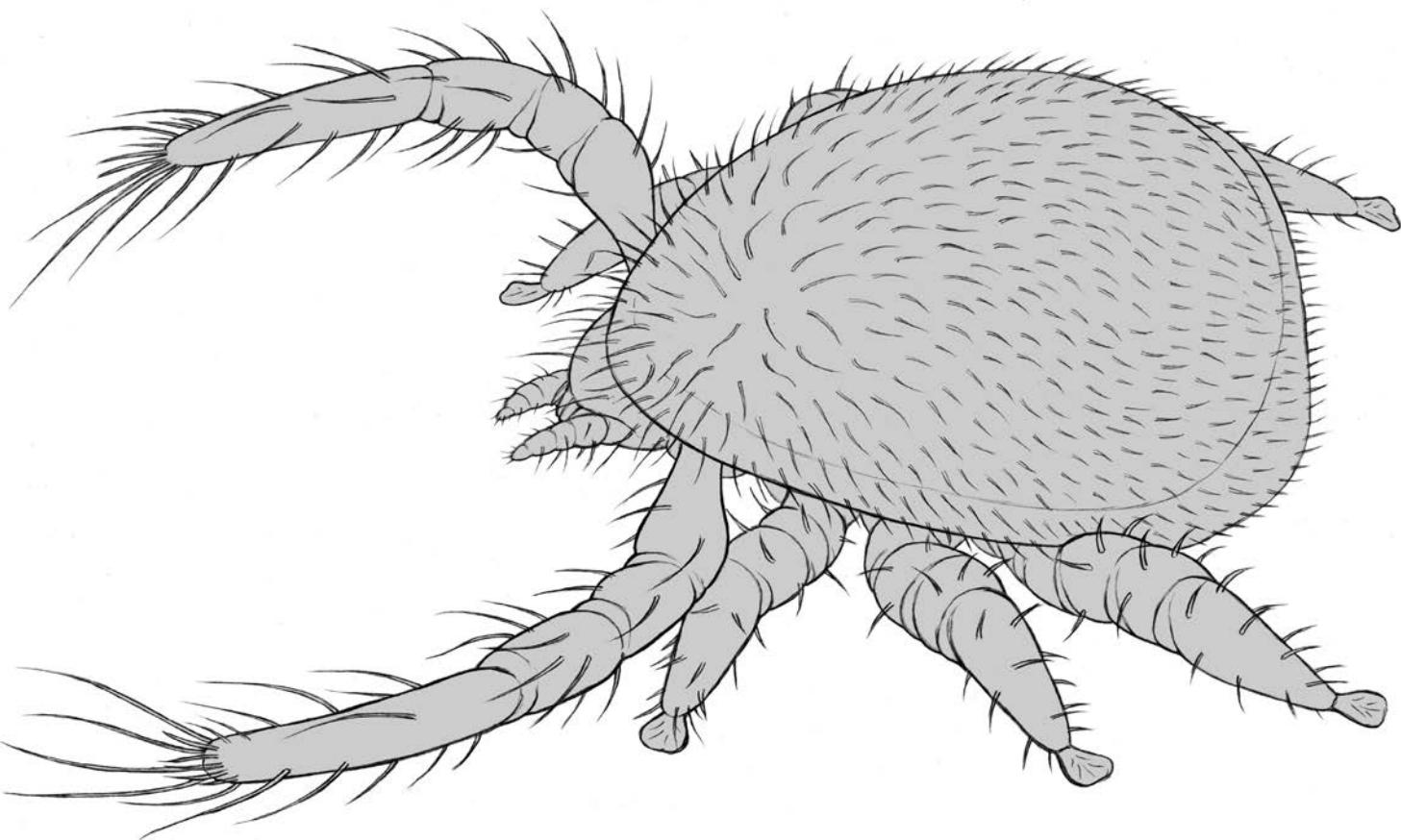


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Axel Christian
Senckenberg Museum für Naturkunde Görlitz, Germany
PF 300 154, 02806 Görlitz, Germany
Email: axel.christian@senckenberg.de

Technical Editor

Kerstin Franke, Senckenberg Museum für Naturkunde Görlitz, Germany

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Axel Christian & Kerstin Franke

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

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In the bibliography, the latest works on mesostigmatic mites as far as they have come to our knowledge are published yearly. The present volume includes 428 titles. In these publications, 92 new species and genera are described. The majority of articles concern ecology (37%), taxonomy (22%), faunistics (18%), biology (5 %) and the bee-mite Varroa (10%). Please inform us if we have failed to list all your publications in the Bibliographia.

The database on mesostigmatic mites already contains 18,164 papers and 17,934 taxa. Every scientist who sends keywords for literature researches can receive a list of literature or taxa. Please help us keep the database as complete as possible by sending us pdf files, reprints or copies of all your papers on mesostigmatic mites, or, if this is not possible, complete references. The literature from 1995 to 2020 is searchable on the Internet. The Bibliographia Mesostigmatologica of number 1 to 11 and the issues 1 to 20 of ACARI can be downloaded free of charge. <http://www.senckenberg.de/Acari>

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

Acarological literature

pp.; DOI: 10.1016/j.jksus.2020.101236

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

ABDEM, M.H. / ABDALLAH, A.M. / GABER, W.M. (2021): Biological aspects of *Typhlodromus athisae* Porath and Swirski when fed on red spider mite, *Tetranychus urticae* Koch and brown citrus mite, *Eutetranychus orientalis* (Klein). - Egypt. Acad. J. Biolog. Sci., A. Entomology 14,1: 141-145

Publications 2021

ABD EL-WAHAB, T.E. / SHALABY, S.E.M. / AL-KAHTANI, S.N. / AL NAGGAR, Y. / JAMAL, Z.A. / MASRY, S.H.D. (2021): Mode of application of acaricides against the ectoparasitic mite (*Varroa destructor*) infesting honeybee colonies, determines their efficiencies and residues in honey and beeswax. - J. King Saud Univ. - Science 33: 101236; 7

AGLAGANE,A./LAGHZAQUI,E.M./ELFAKIR,S.B./ER-RGUIBI, O. / ABBAD, A. / EL MOUDEN, E.H. / AOURIR, M. (2021): Essential oils as sustainable control agents against *Varroa destructor* (Acari, Varroidae), an ectoparasitic mite of the western honeybees *Apis mellifera* (Hymenoptera, Apidae): Review of recent literature (2010 - onwards). - Intern. J. Acarol. 47,5: 436-445

- AHMED, M.M. / ABDEL-RAHMAN, H.R. / ABDELWINES, M.A. (2021): Application of demographic analysis for assessing effects of pesticides on the predatory mite, *Phytoseiulus persimilis* (Acari, Phytoseiidae). - Persian J. Acarol. 10,3: 281-298
- AKYAZI, R. / WELBOURN, C. / LIBURD, O.E. (2021): Mite species (Acari) on blackberry cultivars in organic and conventional farms in Florida and Georgia, USA. - Acarologia 61,1: 31-45
- AL-AZZAZY, M.M. (2021): Biological performance of the predatory mite *Neoseiulus barkeri* Hughes (Phytoseiidae): a candidate for controlling of three mite species infesting grape trees. - Vitis 60: 11-20
- ALFONSO-TOLEDO, J.A. / PAREDES-LEÓN, R. (2021): Molecular and morphological identification of dermeyssoid mites (Parasitiformes: Mesostigmata: Dermeyssoidae) causatives of a parasitic outbreak on captive snakes. - J. Med. Entomol. 58,1: 246-251; DOI: 10.1016/j.biocontrol.2020.104468
- ARAUJO LIRA, V. DE / VITERI JUMBO, L.O. / SANTOS DE FREITAS, G. / SOARES REGO, A. / SERRA GALVAO, A. / TEODORO, A.V. (2021):* Efficacy of *Amblyseius largoensis* (Muma) as a biocontrol agent of the red palm mite *Raoiella indica* (Acari, Tenuipalpidae). - Phytoparasitica 49: 103-111
- ATTASOPA, K. / FERRARI, R.R. / CHANTAWANNAKUL, P. / BÄNZIGER, H. (2021): Morphological description, DNA barcodes and phylogenetic placement of a new mite species: *Dinogamasus saengdaaoae* sp. nov. (Mesostigmata, Laelapidae) found in the acarinarium of carpenter bees in Thailand. - Syst. Appl. Acarol. 26,2: 474-495
- BADRAN, A. / DARAZY, D. / BAYAN, A. / AZAR, S. (2021): The distribution of predatory mite species (Acari, Phytoseiidae) in Jabal Moussa Reserve in Lebanon with three new records. - Munis Ent. Zool. 16,2: 1075-1083
- BARROS, A.R.A. / AZEVEDO, E.B.D. / SILVA, E.S. / DE MORAES, G.J. / CASTILHO, R.C. (2021): A new species of *Geogamasus* Lee (Mesostigmata, Ologamasidae), with morphological details on species of the genus. - Syst. Appl. Acarol. 26,1: 124-134
- BASHA, H.A. / MOSTAFA, E.M. / ELDEEB, A.M. (2021): Mite pests and their predators on seven vegetable crops (Arachnida: Acari). - Saudi J. Biol. Sci. 28: 3414-3417
- BHOWMIK, S. / KARMAKAR, K. (2021): Five new species and re-description of eight species belonging to the family Phytoseiidae (Acari: Mesostigmata) from West Bengal, India. - Zootaxa 4975 (3): 401-450
- BHOWMIK, S. / YADAV, S.K. (2021):* *Neoseiulus longispinosus* (Evans) - blessing of Phytoseiids. - Intern. J. Trop. Ins. Sci. 41,2: 927-932
- BIZIN, M.S. / BORISENKO, G.V. / MAKAROVA, O.L. (2021): Impact of environmental factors on the formation of soil-mite (Acari) assemblages on coastal marshes of Shokalsky Island, Kara Sea. - Contemp. Probl. Ecol. 14,2: 112-127 published in Sibirskii Ekol. Zh. 2021 (2): 144-161
- BOWMAN, C.E. (2021): Feeding design in free-living mesostigmatid chelicerae (Acari: Anactinotrichida). - Exp. Appl. Acarol. 84,1: 1-119
- BRICENO, C. / YEVENES, K. / LARRAECHEA, M. / SANDOVAL-RODRIGUEZ, A. / SILVA-DE LA FUENTE, M.C. / FREDES, F. ET AL. (2021): First record of *Ornithonyssus bursa* (Berlese, 1888) (Mesostigmata, Macronyssidae) parasitizing invasive monk parakeets in Santiago, Chile. - Rev. Brasil. Parasitol. Veter. 30,1: e024020; 10 pp.; DOI: 10.1590/S1984-29612021023
- BULUT, D.R. / URHAN, R. / KARACA, M.: Zerconid mites (Acari, Zerconidae) from eastern parts of Aydin Province (Turkey), with description of *Zercon karacasuensis* sp. nov.. - Acarol. Stud. 3,2: 73-81
- CAKMAK, E. / KOC BILICAN, B. (2021): Isolation and characterization of 3D chitin from a mite species *Trachytes pauperior* (Parasitiformes: Uropodina). - Acarol. Stud. 3,2: 66-72
- CASTRO-LÓPEZ, M.A. / RAMÍREZ-GODOY, A. / MARTÍNEZ OSORIO, W. / RUEDA-RAMÍREZ, D. (2021): Predation and oviposition rates of *Gaeolaelaps aculeifer* and *Parasitus bituberosus* (Acari, Laelapidae and Parasitidae) on pre-pupae/pupae of *Thrips tabaci* (Thysanoptera, Thripidae). - Acarologia 61,2: 394-402
- CHAIMANEE, V. / WARRIT, N. / BOONMEE, T. / PETTIS, J.S. (2021):* Acaricidal activity of essential oils for the control of honeybee (*Apis mellifera*) mites *Tropilaelaps mercedesae* under laboratory and colony conditions. - Apidologie 52: 561-575
- CHEN, W. / BARTLEY, K. / NUNN, F. / BOWMAN, A.S. / STERNBERG, J.M. / BURGESS, S.T. / NISBET, A.J. / PRICE,

- D.R.G. (2021): RNAi gene knockdown in the poultry red mite, *Dermanyssus gallinae* (De Geer 1778), a tool for functional genomics. - Parasit. Vectors 14: 57; 13 pp.; DOI: 10.1186/s13071-020-04562-9
- CRUZ-MIRALLES, J. / CABEDO-LÓPEZ, M. / GUZZO, M. / IBÁÑEZ-GUAL, V. / FLORS, V. / JAQUES, J.A. (2021): Plant-feeding may explain why the generalist predator *Euseius stipulatus* does better on less defended citrus plants but *Tetranychus*-specialists *Neoseiulus californicus* and *Phytoseiulus persimilis* do not. - Exp. Appl. Acarol. 83,2: 167-182
- CRUZ-MIRALLES, J. / CABEDO-LÓPEZ, M. / GUZZO, M. / PÉREZ-HEDOEZ, M. / FLORS, V. / JAQUES, J.A. (2021): Plant defense responses triggered by phytoseiid predatory mites (Mesostigmata, Phytoseiidae) are species-specific, depend on plant genotype and may not be related to direct plant feeding. - BioControl 66: 381-394
- DALIR, S. / HAJIQANBAR, H. / FATHIPOUR, Y. / KHANAMANI, M. (2021):* Age-dependent functional and numerical responses of *Neoseiulus cucumeris* (Acari, Phytoseiidae) on two-spotted spider mite (Acari, Tetranychidae). - J. Econ. Entomol. 114,1: 50-61
- DAMEDA, C. / WINTER BERTÉ, A.L. / LIBERATO DA SILVA, G. / JOHANN, L. / FERLA, N.J. (2021):* *Euseius concordis* (Chant) (Acari, Phytoseiidae) as a potential agent for the control of yerba mate red mite *Oligonychus yotharsi* (McGregor) (Acari, Tetranychidae). - Phytoparasitica 49: 377-383
- DE CASTRO, M. / DE AZEVEDO, E.B. / BRITTO, E.P.J. / BARRETO, M.R. / PITTA, R.M. / CASTILOHO, R.C. / DE MORAES, G.J. (2021): Gamasina mite communities (Acari: Mesostigmata) in grain production systems of the southwestern Brazilian Amazon. - Syst. Appl. Acarol. 26,1: 1-14
- DE MELO FERREIRA, M. / NUVOLONI, F.M. / DE SOUZA MONDIN, A. / LOFEGO, A.C. (2021): Does diet affect morphological parameters of *Neoseiulus tunus* (De Leon) (Acari, Phytoseiidae)? - Acarologia 61,3: 486-496
- DE SANTANA, M.F./CAMARA, C.A.G./MONTEIRO, V.B./DE MELO, J.P.R. / DE MORAES, M.M. (2021): Bioactivity of essential oils for the management of *Tetranychus urticae* Koch and selectivity on its natural enemy *Neoseiulus californicus* (McGregor): A promising combination for agroecological systems. - Acarologia 61,3: 564-576
- DE SOUSA NETO, E.P. / FILGUEIRAS, R.M.C. / DE ALMEIDA MENDES, J. / MONTEIRO, N.V. / DE LIMA, D.B. / PALLINI, A. / DA SILVA MELO, J.W (2021):* A drought-tolerant *Neoseiulus idaeus* (Acari, Phytoseiidae) strain as a potential control agent of two-spotted spider mite, *Tetranychus urticae* (Acari, Tetranychidae). - Biol. Contr. 159: 104624; DOI: 10.1016/j.biocontrol.2021.104624
- DEL CONT, A. / DE GEORGES, B. / HULEUX, A. / DUQUESNE, V. (2021): Rapid identification of *Tropilaelaps* mite (Mesostigmata, Laelapidae) species using a COI Barcode-HRM. - J. Econ. Entomol. 114,2: 520-529
- DEMITE, P.R. / REZENDE, J.M. / DAHMER, P.C. / CAVALCANTE, A.C.C. / LOFEGO, A.C. (2021): A new species of *Amblydromalus* Chant & McMurtry (Acari, Phytoseiidae), with notes on occurrence of genus in South America. - Acarologia 61,3: 527-537
- DEMOLIN LEITE, G.L. / DOS SANTOS VELOSO, R.V. / SILVA, J.L. / AZEVEDO, A.M. / SOARES, M.A. / LEMES ALVES, P.G. / MATIOLI, A.L. / ZANUNCIO, J.C. (2021): Vertical extratification of phytophagous and predator mites (Acari) on *Caryocar brasiliense* (Caryocaraceae) tree canopies. - Persian J. Acarol. 10,1: 121-125
- DÖKER, I. / KHAUSTOV, V.A. / JOHARCHI, O. (2021): Redescriptions of two little known species of *Neoseiulus* Hughes (Acari, Phytoseiidae) with description of a new species from Russia. - Syst. Appl. Acarol. 26,4: 672-683
- DÖKER, I. / KHAUSTOV, V.A. / JOHARCHI, O. (2021): A new species of *Typhlodromus* (*Anthoseius*) De Leon and redescription of *T. (A.) montanus* Chant & Yoshida-Shaul from Russia. - Zootaxa 4951 (2): 372-380
- DÖKER,I./UECKERMANN,E.A./KHAUSTOV,V.A./JOHARCHI, O. / HÄNEL, C. (2021): *Neoseiulus cunhaensis* sp. nov. (Acari: Mesostigmata, Phytoseiidae) from Tristan da Cunha with a key to the paspalivorus species group. - Syst. Appl. Acarol. 26,3: 568-576
- DÖKER, I. / YALCIN, K. / KARUT, K. / KAZAK, C. (2021): Functional and numerical responses of *Iphiseius degenerans* (Berlese) (Acari, Phytoseiidae) to different biological stages of *Eutetranychus orientalis* (Klein) (Acari, Tetranychidae). - Syst. Appl. Acarol. 26,7: 1415-1425
- DUARTE, A.F./DUARTE, J.L.P./DA SILVA, L.R./GOBBI, P.C. / DA CUNHA, U.S. (2021): Evaluation of *Cosmolaelaps*

- brevistilis* and *Stratiolaelaps scimitus* (Mesostigmata, Laelapidae) as natural enemy of *Bradyia aff. ocellaris* (Diptera, Sciaridae). - Syst. Appl. Acarol. 26,7: 1293-1300
- DÜTTMANN, C./FLORES, B./SHELEBY-ELIAS, J./CASTILLO, G. / OSEJO, H. / BERMUDEZ, S. / DEMEDIO, J. (2021): Morphotype and haplotype identification of *Varroa destructor* (Acari, Varroidae), and its importance for apiculture in Nicaragua. - Exp. Appl. Acarol. 83,4: 527-544
- ELHALAWANY, A.S. / ABO-SHNAF, R.I.A. / SANAD, A.S. (2021): Release of predatory mite, *Neoseiulus barkeri* (Acari, Phytoseiidae) for its suppression two species of eriophyid mites (Acari, Eriophyidae) on olive seedlings in Egypt. - Intern. J. Acarol. 47,1: 35-40
- EMMERICH, I.U./CHRISTIAN,A.(2021): *Parasitellus fucorum* in the debris of *Apis mellifera* - a risk of confusion with *Tropilaelaps* spp.. - Tierarztl. Prax. Ausgabe G Grosstiere Nutztiere 49: 60-64; DOI: 10.1055/a-1320-9289
- ERSIN, F. / TURANLI, F. / CAKMAK, I. (2021): Development and life history parameters of *Typhlodromus recki* (Acari, Phytoseiidae) feeding on *Tetranychus urticae* (Acari, Tetranychidae) at different temperatures. - Syst. Appl. Acarol. 26,2: 496-508
- ESCOBAR-GARCIA,H.A./ANDRADE,D.J.(2021):Preliminary survey, diversity, and population density of mites in banana, *Musa AAA* (Cavendish subgroup) cv. Williams in Peru. - Intern. J. Acarol. 47,2: 170-173
- ETIENNE,L./BRESCH,C./VAN OUDENHOVE,L./MAILLERET, L. (2021):* Food and habitat supplementation promotes predatory mites and enhances pest control. - Biol. Contr. 159: 104604; DOI: 10.1016/j.bioccontrol.2021.104604
- FAHIM, S.F. / EL-SAEIDY, EL-SAYED M. (2021): Seasonal abundance of *Tetranychus urticae* and *Amblyseius swirskii* (Acari, Tetranychidae and Phytoseiidae) on four strawberry cultivars. - Persian J. Acarol. 10,2: 191-204
- FARAJI, F. (2021): A new species of *Lasioseius* Berlese (Acari, Mesostigmata, Blattisociidae) from Kenya. - Soil Organisms 93,2: 97-105
- FARAJI, F. / HOEKSTRA, P.H. (2021): Some new species records of the predatory mite family Phytoseiidae (Acari: Mesostigmata) from The Netherlands. - Soil Organisms 93,1: 35-57
- FARAJI, F. / RAHMANI, H. / ZARE, M. (2021): Re-description of *Amblyseius pseudaequipilus* Wainstein & Abbasova (Acar: Mesostigmata, Phytoseiidae) based on material collected from Iran. - Persian J. Acarol. 10,3: 347-350
- FARFAN, M.A. / COFFEY, J. / SCHMIDT-JEFFRIS, R.A. (2021): Suitability of food resources for *Proprioseiopsis mexicanus*, a potentially important natural enemy in eastern USA agroecosystems. - Exp. Appl. Acarol. 84,1: 121-134
- FATHIPOUR, Y. / MALEKNIA, B. / BAGHERI, A. / SOUBBAF, M.U. / ZALUCKI, M.P. (2021): Functional and numerical responses of *Neoseiulus barkeri* (Acari, Phytoseiidae) on two-spotted spider mite: the effect of patch condition and additional food source. - Syst. Appl. Acarol. 26,3: 543-556
- FERRAGUT, F. / BAUMANN, J. (2021): New species and new records of phytoseiid mites (Acari, Phytoseiidae) from Cape Verde archipelago. - Syst. Appl. Acarol. 26,2: 395-426
- FU, X. / LIU, Q. / LIU, J. / MENG, R. (2021): Functional response of *Amblyseius andersoni* and *Neoseiulus neoreticuloides* (Acari, Phytoseiidae) to adults of the wolfberry gall mite *Aceria pallida* (Acari, Eriophyidae). - Syst. Appl. Acarol. 26,4: 809-817
- FUJII, S. / SHIMADO, T. / NAKAMURA, S. / MAKINO, S. / OKABE, K. (2021): Soil fauna community assembled in the abandoned nests of Japanese wood mice. - J. Acarol. Soc. Jpn. 30,1: 1-4
- GDULA,A.K./KONWERSKI,S./OLEJNICZAK,I./RUTKOWSKI, T./SKUBALA,P./ZAWIJA,B./GWIAZDOWICZ,D.J(2021): The role of bracket fungi in creating alpha diversity of invertebrates in the Białowieża National Park, Poland. - Ecol. Evol. 11: 6456-6470; DOI: 10.1002/ece3.7495
- GDULA,A.K./SKUBALA,P./ZAWIEJA,B./GWIAZDOWICZ, D.J. (2021): Mite communities (Acari: Mesostigmata, Oribatida) in the red belt conk, *Fomitopsis pinicola* (Polyporales), in Polish forests. - Exp. Appl. Acarol. 84,2: 543-564
- GOMES-ALMEIDA, B.K. / PEPATO, A.R. (2021): A new genus and new species of macronyssid mite (Mesostigmata: Gamasina, Macronyssidae) from Brazilian caves including molecular data and key for genera occurring in Brazil. - Acarologia 61,2: 501-526
- GONGALSKY, K.B. / ZAITSEV, A.S. / KOROBUSHKIN, D.I. /

- SAIFUTDINOV, R.A. / BUTENKO, K.O. / DE VRIES, F.T. / EKSCHMITT, K. ET AL. (2021): Forest fire induces short-term shifts in soil food webs with consequences for carbon cycling. - *Ecol. Lett.* 24: 438-450
- GUICHARD, M./DIETEMANN,V./NEUDITSCHKO,M./DAINAT, B. (2021): Advances and perspectives in selecting resistance traits against the parasitic mite *Varroa destructor* in honey bees. - *Genet. Sel. Evol.* 52,1: 71; 22 pp.; DOI: 10.1186/s12711-020-00591-1
- GUICHARD, M./DROZ,B./BRASCAMP,E.W./VON VIRAG, A. / NEUDITSCHKO, M. / DAINAT, B. (2021): Exploring two honey bee traits for improving resistance against *Varroa destructor*: development and genetic evaluation. - *Insects* 12: 216; 15 pp.; DOI: 10.3390/insects12030216
- HAN, J.O./NAEGER, N.L./HOPKINS, B.K./SUMERLIN, D. / STAMETS, P.E. / CARRIS, L.M. / SHEPPARD, W.S. (2021): Directed evolution of *Metarhizium* fungus improves its biocontrol efficacy against *Varroa* mites in honey bee colonies. - *Sci. Rep.* 11: 10582; 10 pp.; DOI: 10.1038/s41598-021-89811-2
- HASHEMI, S. / ASADI, M. / KHANAMANI, M. (2021): How does feeding on different diets affect the life history traits of *Neoseiulus californicus*? - *Intern. J. Acarol.* 47,5: 367-373
- HAVASI, M./ALSENDI,A./BOZHGANI,N.S.S./KHERADMAND, K. / SADEGHI, R. (2021): The effects of bifenazate on life history traits and population growth of *Amblyseius swirskii* Athias-Henriot (Acari, Phytoseiidae). - *Syst. Appl. Acarol.* 26,3: 610-623
- HEYDARI, M. / ESLAMINEJAD, P. / KAKHKI, F.V. / MIRAB-BALOU, M./OMIDIPOUR, R./ZEMA, D.A./MA, C./LUCAS-BORJA, M.E. (2021): Spatio-temporal heterogeneity differently drives the diversity of various trophic guilds of mesofauna in semi-arid oak forests. - *Trees* 35: 171-187
- JOHARCHI, O. / DÖKER, I. / KHAUSTOV, V.A. (2021): Rediscovery of two gamasid mites (Acari: Mesostigmata) associated with beetles in Western Siberia, Russia. - *Intern. J. Acarol.* 47,4: 327-338
- JOHARCHI, O. / DÖKER, I. / KHAUSTOV, V.A. (2021): Two new species and a new record of *Gaeolaelaps* Evans & Till (Acari, Laelapidae) from Altai Mountains, Russia. - *Zootaxa* 4949 (2): 240-260**
- JOHARCHI, O. / FRIEDRICH, S. (2021): Two new species of *Gaeolaelaps* Evans & Till (Acari, Laelapidae) from the Andes Mountains, Peru. - *Zootaxa* 4995 (1): 56-70
- JOHARCHI, O. / MARCHENKO, I.I. / HOFSTETTER, R.W. / ABRAMOV, V.V. (2021): New data on two gamasid mites (Acari, Mesostigmata) from Russia. - *Acarina* 29,1: 81-93
- JUVARA-BALS, I. / ANDRIOLLO, T. / LEHMANN-GRABER, C. (2021): Morphological and morphometric variability in *Pergamasus decebali* and *P. scorilai* (Acari, Parasitidae), with comments on other species of the *P. crassipes* species-group. - *Rev. Suisse Zool.* 128,2: 439-453
- KADKHODAZADEH, F. / ASADI, M. / KHANAMANI, M. (2021): Suitability of different pollen grains and *Tetranychus urticae* as food for the predatory mite, *Amblyseius swirskii* (Acari, Phytoseiidae). - *Persian J. Acarol.* 10,3: 321-334
- KALILE, M.O. / CARDOSO, A.C. / PALLINI, A. / FONSECA, M.M. / ELLIOT, S.L. / FIALHO, V.S. / CARVALHO, T. DA S. / JANSEN, A. (2021):* A predatory mite as potential biological control agent of *Diaphorina citri*. - *BioControl* 66: 237-248; DOI: 10.1007/s10526-020-10061-8
- KAR, A. / KARMAKAR, K. (2021): Description of three new species of phytoseiid mites (Acari: Mesostigmata) from Sundarban, West Bengal, India. - *Intern. J. Acarol.* 47,1: 51-60**
- KAR, S. / AKYILDIZ, G. / SIRIN, D. / RODIGUEZ, S.E. / CAMLITEPE, Y. (2021): First evidence of predation of the ant species *Lasius alienus* on the poultry red mite *Dermanyssus gallinae*. - *Acarologia* 61,1: 115-120
- KASIOTIS, K.M./ZAFEIRAKI, E./KAPAXIDI, E./MANEA-KARGA, E. / ANTAONATOS, S. / ANASTASIADOU, P. / MILONAS, P. / MACHERA, K. (2021):* Pesticides residues and metabolites in honeybees: A Greek overview exploring *Varroa* and *Nosema* potential synergies. - *Sci. Total Environ.* 769: 145213; DOI: 10.1016/j.scitotenv.2021.145213
- KECECI, B. / URHAN, R. / KARACA, M. (2021): Mites of the genus *Prozercon* (Acari, Zerconidae) in Dilek Peninsula - Büyük Menderes Delta National Park (Turkey), with description of a new species. - *Acarol. Stud.* 3,1: 37-42**
- KESKIN, A. (2021): Occurrence of *Ophionyssus naticis* (Acari, Macronyssidae) on the captive corn snake, *Pantherophis guttatus* (Squamata, Colubridae) in Turkey. - *Acarol. Stud.* 3,2: 89-95**

- KESZTHELYI, S. / SIPOS, T. / CSÓKA, A. / DONKÓ, T. (2021): CT-supported analysis of the destructive effects of *Varroa destructor* on the pre-imaginal development of honey bee, *Apis mellifera*. - Apidologie 52: 155-162
- KHANAMANI, M. / BASIJ, M. / FATHIPOUR, Y. (2021): Effectiveness of factitious foods and artificial substrate in mass rearing and conservation of *Neoseiulus californicus* (Acari, Phytoseiidae). - Intern. J. Acarol. 47,4: 273-280
- KHAUSTOV, V.A. / DÖKER, I. / JOHARCHI, O. / ERMILOV, S.G. (2021): A new species of *Proprioseiulus Muma* (Acari, Phytoseiidae) from Sri Lanka with a key to world species. - Syst. Appl. Acarol. 26,2: 464-473
- KHAUSTOV, V.A. / DÖKER, I. / JOHARCHI, O. / KHAUSTOV, A.A. (2021): A new species of Phytoseiidae (Acari, Mesostigmata) from the Alpine Caucasus, Russia. - Acarina 29,1: 95-103
- KOC, N. / INAK, E. / JONCKHEERE, W. / VAN LEEUWEN, T. (2021): Genetic analysis and screening of pyrethroid resistance mutations in *Varroa destructor* populations from Turkey. - Exp. Appl. Acarol. 84,2: 433-444
- KOC, N. / NALBANTOGLU, S. (2021):* Evaluation of in-house factors affecting the population distribution of *Dermanyssus gallinae* in cage and backyard rearing systems by using a modified monitoring method. - Exp. Appl. Acarol. 84,3: 529-541
- KONTSCHÁN, J. (2021): *Rotundabaloghia (Rotundabaloghia) dogani* sp. nov. from Hong Kong (Acari: Mesostigmata, Rotundabaloghiidae). - Acarol. Stud. 3,1: 32-36
- KONTSCHÁN, J. (2021): *Metagynella pangooli* sp. nov. from decaying baobab tree from Senegal with the notes on genus *Metagynella* Berlese, 1919 (Acari: Mesostigmata, Metagynuridae). - Syst. Appl. Acarol. 26,6: 1142-1148
- KONTSCHÁN, J. (2021): First record of the genus *Leonardiella* in China, with the description of the *Leonardiella pappi* sp. nov. from Hong Kong (Acari: Mesostigmata, Trachyuropodidae). - Acarol. Stud. 3,2: 82-88
- KREITER, S. / DOUIN, M. (2021): Phytoseiid mites of the French Guiana (Acari: Mesostigmata). - Acarologia 61,2: 468-478
- KREITER, S. / DOUIN, M. / TIXIER, M.-S. (2021): New records of phytoseiid mites (Acari: Mesostigmata) from Madeira Island. - Acarologia 61,2: 217-240
- KREITER, S. / PAYET, R.-M. / AZAKI, H.A. (2021): Phytoseiid mites (Acari: Mesostigmata) of Mohéli Island (Comoros Archipelago). - Acarologia 61,1: 94-114
- KREITER, S. / PAYET, R.-M. / AZALI, H.A. (2021): Phytoseiid mites (Acari: Mesostigmata) of Anjouan Island (Comoros Archipelago). - Acarologia 61,1: 62-83
- KREITER, S. / PAYET, R.-M. / MOUIGNI, H. / DOUIN, M. / TIXIER, M.-S. / AZALI, H.A. (2021): New records of phytoseiid mites (Acari: Mesostigmata) of Grande Comore Island (Comoros Archipelago). - Acarologia 61,2: 241-273
- KUMAR, P.S. / GUPTA, S.K. (2021): First report on the occurrence of *Typhlodromus (Anthoseius) transvaalensis* (Nesbitt) (Acari, Phytoseiidae) in India with a re-description of the species. - Acarologia 61,1: 55-61
- LEITE, G.L.D. / VELOSO, R.V.S. / MATIOLI, A.L. / SOARES, M.A. / LEMES, P.G. (2021): Seasonal mite population distribution on Caryocar brasiliense trees in the Cerrado domain. - Braz. J. Biol. 82: e236355; 6 pp.; DOI: 10.1590/1519-6984.241110
- LI, G.-Y. / PATTISON, N. / ZHANG, Z.-Q. (2021): Immature development and survival of *Neoseiulus cucumeris* (Oudemans) (Acari, Phytoseiidae) on eggs of *Tyrophagus curvipennis* (Fain & Fauvel) (Acari, Acaridae). - Acarologia 61,1: 84-93
- LI, W.-Z. / LI, H.-L. / GUO, Z.-K. / SHANG, S.-Q. (2021): Effects of short-term heat stress on the development and reproduction of predatory mite *Neoseiulus barkeri* (Acari, Phytoseiidae). - Syst. Appl. Acarol. 26,4: 713-723
- LIAO, J.-R. / HO, C.-C. / CHIU, M.-C. / KO, C.-C. (2021): Niche modeling may explain the historical population failure of *Phytoseiulus persimilis* in Taiwan: implications of biocontrol strategies. - Insects 12: 418; 12 pp.; DOI: 10.3390/insects12050418
- LIAO, J.-R. / HO, C.-C. / KO, C.-C. (2021): Predatory mites (Acari: Mesostigmata, Phytoseiidae) intercepted from samples imported to Taiwan, with description of a new species. - Zootaxa 4927,3: 301-330
- LIAO, J.-R. / HO, C.-C. / KO, C.-C. (2021): Survey of phytoseiid mites (Acari: Mesostigmata) in the Penghu Islands with two new records and descriptions of

- two new species. - Syst. Appl. Acarol. 26,4: 641-671**
- LIENDO, M.C./MONTAABSKI, I./RUSSO, R.M./LANZAVECCHIA, S.B. / SEGURA, D.F. / PALACIO, M.A. / CLADERA, J.L. / FERNANDEZ, P.C. / SCANNAPIECO, A.C. (2021): Temporal changes in volatile profiles of *Varroa destructor* - infested brood may trigger hygienic behavior in *Apis mellifera*. - Ent. Exp. Appl. 169,6: 563-574
- LIGHT, M. / FARAOONE, N. / SHUTLER, D. / CUTLER, G.C. / HILLIER, N.K. (2021):* *Varroa destructor* (Mesostigmata, Varroidae) electrophysiological activity towards common yarrow (Asteraceae) essential oil and its components. - Can. Entomol. 153,2: 211-221
- LIN, Z./HU, H./SU, X./KE, Y./WANG, W./LI, Y./ZHUANG, M. / CHEN, H. / LIU, Y. / WANG, K. / CHEN, G. / JU, T. (2021): Investigation of circular RNAs in an ectoparasitic mite *Varroa destructor* (Acarina, Varroidae) of the honey bee. - Parasitol. Res. 120: 715-723
- LIU, W. / LIAO, L.Q. / LIU, Y.Q. / WANG, Q. / MURRAY, P.J. / JIANG, X.R. / ZOU, G.W. / CAI, J.H. / ZHAO, X.M (2021): Effects of *Phyllostachys pubescens* expansion on underground soil fauna community and soil food web in a *Cryptomeria japonica* plantation, Lushan Mountain, subtropical China. - J. Soils Sediments 21: 2212-2227
- LONG, Y. / JIN, D.C. / GUO, J.-J. / YI, T.-C. (2021): A new species of *Antennoseius (Vitzthumia)* Thor (Acar: Mesostigmata, Ascidae) from China, with a key to species of the genus recorded from China. - Acarologia 61,1: 46-54
- MAHMOOD, R. / BAKAR, M.A. / RAZA, M.F. / QADIR, Z.A. / YAHYA, M. (2021): Efficacy of naturally occurring chemicals for the integrated control of *Varroa destructor* (Anderson and Trueman) in honeybee colonies. - Pakistan J. Zool. 53,3: 1173-1176
- MAKAROVA, O.L. / MARCENKO, I.I. / LINDQUIST, E.E. (2021): Distribution, habitats, and redescription of the rare mite species *Iphidionopsis sculptus* Gwiazdowicz, 2004 (Mesostigmata, Ascidae). - Zootaxa 4952 (3): 448-464
- MARCHENKO, I.I. (2021): Four new species of *Halozercon* (Acar: Mesostigmata, Zerconidae) from South Siberia Mountains (Russia) with a key to all known species. - Zootaxa 4941 (2): 151-185
- MASÁN, P. / JOHARCHI, O. / ABRAMOV, V.V. (2021): A new genus and two new species of melicharid mites (Acar: Mesostigmata) associated with wood-decaying fungi and mycophagous erotylid beetles (Coleoptera, Eerotylidae) in Europe. - Zootaxa 4980 (1): 157-173
- MEEHAN, M.L. / CARUSO, T. / LINDO, Z. (2021):* Short-term intensive warming shifts predator communities (Parasitiformes: Mesostigmata) in boreal forest soils. - Pedobiologia 87-88: 150742; DOI: 10.1016/j.pedobi.2021.150742
- MENDES, J.A. / LIMA, D.B. / MONTEIRO, N.V. / GONDIM, M.G.C. / DA SILVA MELO, J.W. (2021): Phytoseiid mites in cashew trees: diversity and seasonality. - Intern. J. Acarol. 47,4: 339-345
- MESA COBO, N.C./ABO-SHNAF, R.I.A./RUEDA-RAMIREZ, D.M. / DE CASTRO, L.A.S. / DE MORAES, G.J. (2021): New species of *Gamasellodes* Athias-Henriot and *Zerconopsis* Hull (Mesostigmata, Ascidae) from Colombia, with a complement to a recently published key to the world species of *Gamasellodes*, and with a key to the world species of *Zerconopsis*. - Syst. Appl. Acarol. 26,1: 166-184
- MILLAN-LEIVA, A. / MARIN, O. / DE LA RUA, P. / MUÑOZ, I. / TSAGKARAKOU, A. / EVERSON, H. / CHRISTMON, K. et al. (2021): Mutations associated with pyrethroid resistance in the honey bee parasite *Varroa destructor* evolved as a series of parallel and sequential events. - J. Pest Sci. : 13 pp.; DOI: 10.1007/s10340-020-01321-8
- MIRANDA, V.C./DE AZEVEDO, E.B./DA CRUZ, W.P./JORGE, S.J. / PEDRO-NETO, M. / DE CAMPOS CASTILHO, R. et al. (2021): Potential of the predatory mite *Amblydromalus zannoui* to control pest mites on *Jatropha curcas*. - BioControl 66,4: 487-496
- MITTON, G.A. / QUINTANA, S. / MENDOZA, Y. / EGUARAS, M. / MAGGI, M.D. / RUFFINENGO, S.R. (2021): L925V mutation in voltage-gated sodium channel of *Varroa destructor* populations from Argentina and Uruguay, with different degree of susceptibility to pyrethroids. - Intern. J. Acarol. 47,5: 374-380
- MOLLA, MD. I.H. / KAR, A. / BALA, S.C. / KARMAKAR, K. (2021): Description of four new species of phytoseiid mites belonging to the genus *Typhlodromus (Anthoseius)* De Leon from West Bengal. - Zootaxa 4949 (3): 541-556
- MOMEN, F.M. / ABDEL-KHALEK, A. (2021): Intraguild predation in three generalist predatory mites of the family Phytoseiidae (Acar, Phytoseiidae). - Egypt. J. Biol. Pest

- Contr. 31: 8; 7 pp.; DOI: 10.1186/s41938-020-00355-5
- MOMEN, F.M. / LAMLOM, M. (2021): Life history traits and demographic parameters of *Typhlodromus transvaalensis* reared on three eriophyid species (Acari, Phytoseiidae, Eriophyidae). - Intern. J. Acarol. 47,4: 346-351
- NAKAI, Z. / SHIMIZU, K. / OIDA, H. / SONODA, S. (2021): Host plant and humidity effects on phytoseiid mite, *Gynaeseius liturivorus* (Acari, Phytoseiidae) egg hatchability. - Exp. Appl. Acarol. 84,1: 135-147
- NAPIERAŁA, A. / BŁOSZYK, J. (2021): The maturity index for Uropodina (Acari: Mesostigmata) communities as an indicator of human-caused disturbance in selected forest complexes of Poland. - Exp. Appl. Acarol. 83,4: 475-491
- NAPIERAŁA, A. / MAZIARZ, M. / HEBDA, G. / BROUGHTON, R.K. / RUTKOWSKI, T. / ZACHARYSIEWICZ, M. / BŁOSZYK, J. (2021): Lack of specialist nidicoles as a characteristic of mite assemblages inhabiting nests of the ground-nesting wood warbler, *Phylloscopus sibilatrix* (Aves: Passeriformes). - Exp. Appl. Acarol. 84,1: 149-170
- NEGM, M.W. / GOTOH, T. (2021): Ontogenetic description of *Proctolaelaps bickleyi* (Bram) (Acari, Melicharidae), newly recorded from lepidopteran insect cultures in Japan. - Syst. Appl. Acarol. 26,7: 1314-1326
- NEGM, M.W. / MATSUDA, T. / KAYUKAWA, T. / HO, C.-C. / HSU, Y.-T. / KONGCHUENSIN, M. / KONVIPASRUANGIS, P. / GOTOH, T. (2021): Morphological ontogeny and molecular analyses of geographic strains of two closely related *Neoseiulus* species (Acari, Phytoseiidae). - Acarologia 61,2: 432-452
- NEMATI, A. / GWIAZDOWICZ, D.J. / RIAHI, E. (2021): A new genus of Laelapidae (Acari: Mesostigmata) from South America. - Persian J. Acarol. 10,2: 167-189**
- NOBLE, N.I.I. / STUHL, C. / NESBIT, M. / WOODS, R. / ELLIS, J.D. (2021): A comparison of *Varroa destructor* (Acari, Varroidae) collection methods and survivability in in vitro rearing systems. - Fla. Entomol. 104,1: 13-17
- NORVAL, G. / HALLIDAY, B. / SHARRAD, R.D. / GARDNER, M.G. (2021): Additional instances of snake mite (*Ophionyssus natricis*) parasitism on sleepy lizards (*Tiliqua rugosa*) in South Australia. - Trans. Royal Soc. S. Austr. ; DOI: 10.1080/03721426.2021.1934629
- OGIHARA, M.H. / KOBAYASHI, E. / MORIMOTO, N. / YOSHIYAMA, M. / KIMURA, K. (2021): Molecular analysis of voltage-gated sodium channels to assess t-fluvalinate resistance in Japanese populations of *Varroa destructor* (Acari, Varroidae). - Appl. Entomol. Zool. 56: 277-284
- ONDREJKOVA, K. / EREN, G. / ACICI, M. (2021): First record of *Poecilochirus necrophori* (Acari: Mesostigmata, Parasitidae) from Turkey and its importance in forensic acarology. - Acarol. Stud. 3,2: 96-100
- ORLOVA, M.V. / KLIMOV, P.B. / ORLOV, O.L. / KRUSKOP, S.V. / LEBEDEV, V.S. (2021): New geographic and host records of spinturnicid mites (Mesostigmata, Spinturnicidae) in Asia, with description of the protonymph of *Spinturnix tyloncytterisi*. - Intern. J. Acarol. 47,4: 361-365
- ORLOVA, M.V. / KLIMOV, P.B. / ORLOV, O.L. / SMIRNOV, D.G. / ZHIGALIN, A.V. / BUDAeva, I.V. / EMELYANOVA, A.A. / ANISIMOV, N.V. (2021): A checklist of bat-associated macronyssid mites (Acari: Gamasina, Macronyssidae) of Russia, with new host and geographical records. - Zootaxa 4974 (3): 537-564
- ORLOVA, M.V. / LARCHANKA, A.I. / KLIMOV, P.B. / ORLOV, O.L. / ANISIMOV, N.V. (2021): A survey of bat ectoparasitic mites of Belarus. - Intern. J. Acarol. 47,5: 451-455
- OSAKABE, M. (2021): Biological impact of ultraviolet-B radiation on spider mites and its application in integrated pest management. - Appl. Ent. Zool. 56: 139-155
- PARK, J. / MOSTAFIZ, M.M. / HWANG, H.-S. / JUNG, D.-O. / LEE, K.-Y. (2021): Comparing the life table and population projection of *Gaeolaelaps aculeifer* and *Stratiolaelaps scimitus* (Acari, Laelapidae) based on the age-stage, two-sex life table theory. - Agronomy 11: 1062; 13 pp.; DOI: 10.3390/agronomy11061062
- PASPATI, A. / RAMBLA, J.L. / LÓPEZ GRESA, M.P. / ARBONA, V. / GÓMEZ-CADENAS, A. / GRANELL, A. / GONZÁLEZ-CABRERA, J. / URBANEJA, A. (2021): Tomato trichomes are deadly hurdles limiting the establishment of *Amblyseius swirskii* Athias-Henriot (Acari, Phytoseiidae). - Biol. Contr. 157: 104572; DOI: 10.1016/j.biocontrol.2021.104572
- PASQUIER, A. / ANDRIEUX, T. / MARTINEZ-RODRIGUEZ, P. / VERCKEN, E. / FERERRO, M. (2021): Predation capacity of soil-dwelling predatory mites on two major maize pests. - Acarologia 61,3: 577-580
- PIETROPAOLI, M. / TLAK GAJGER, I. / COSTA, C. / GERULA, D. / WILDE, J. / ADJLANE, N. / ALDEA-SÁNCHEZ, P. / SMODIŠ ŠKERL, M.I. / BUBNIC, J. (2021): Evaluation of two

- commonly used field tests to assess *Varroa destructor* infestation on honey bee (*Apis mellifera*) colonies. - Appl. Sci. 11: 4458; 12 pp.; DOI: 10.3390/app11104458
- PIRAYESHFAR, F. / SAFAVI, S.A. / MOAYERI, H.R.S. / MESSELINK, G.J. (2021): Provision of astigmatid mites as supplementary food increases the density of the predatory mite *Amblyseius swirskii* in greenhouse crops, but does not support the omnivorous pest, western flower thrips. - BioControl 66,4: 511-522
- PUCHALSKA, E.K. / KOZAK, M. / LEWANDOWSKI, M. (2021): Coniferous plants as potential reservoirs of phytoseiid mites (Parasitiformes, Phytoseiidae) in Poland. - Syst. Appl. Acarol. 26,7: 1374-1398
- RÉGIA DE ALBUQUERQUE BARROS, A. / DE AZEVEDO, E.B. / SILVA, E.S. / CASTILJO, R.C. / DE MORAES, G.J. (2021): Diversity of edaphic Gamasina mites (Acari: Mesostigmata) in different ecosystems of the Caatinga biome in northeast Brazil. - Syst. Appl. Acarol. 26,7: 1301-1313
- QUEIROZ, M.C.V./DE OLIVEIRA, F.A./DE SOUZA, A.P./SATO, M.E. (2021): Development of microsatellite markers for the predatory mite *Phytoseiulus macropilis* and cross-amplification in three other species of phytoseiid mites. - Exp. Appl. Acarol. 83,1: 1-12
- QUINTERO-GUTIÉRREZ, E.J./HALLIDAY, B. (2021): Review of the mite family Parholaspididae Evans, 1956 (Acari, Mesostigmata). - Zootaxa 5005 (4): 401-459**
- REIFF, J.M. / EHRINGER, M. / HOFFMANN, C. / ENTLING, M.H. (2021):* Fungicide reduction favors the control of phytophagous mites under both organic and conventional viticulture. - Agric. Ecosyst. Environ. 305: 107172; DOI: 10.1016/j.agee.2020.107172
- ROY, L. / GIANGASPERO, A. / SLEEKX, N. / OINES, O. (2021): Who Is *Dermanyssus gallinae*? Genetic structure of populations and critical synthesis of the current knowledge. - Front. Veter. Sci. 8: 650546; 20 pp.; DOI: 10.3389/fvets.2021.650546
- RUEDA-RAMÍREZ, D. / RAMÍREZ, A.V. / RAVELO, E.E. / DE MORAES, G.J. (2021): Edaphic mesostigmatid mites (Acari: Mesostigmata) and thrips (Insecta: Thysanoptera) in rose cultivation and secondary vegetation areas in the Bogotá plateau, Colombia. - Intern. J. Acarol. 47,1: 8-22
- SABOORI, A. / SHIRVANI, Z. (2021): A checklist of Acari type specimens deposited in the Jalal Afshar Zoological Museum, Karaj, Iran. - Zootaxa 4949 (2): 289-311
- SAITO, F. / JANSEN, A. / CHO, Y. (2021): Predatory mites protect own eggs against predators. - Ent. Exp. Appl. 169,6: 501-507
- SAKAMOTO, Y. (2021): Latest information on the ecology of the ectoparasitic mite *Varroa destructor* (Mesostigmata, Varroidae) and the resistance of its host, honey bees (Hymenoptera, Apidae). - Jpn. J. Appl. Entomol. Zool. 65: 71-85
- SAMARAS, K. / PAPPAS, M.L. / PEKAS, A. / WÄCKERS, F. / BROFAS, G.D. (2021):* Benefits of a balanced diet? Mixing prey with pollen is advantageous for the phytoseiid predator *Amblydromalus limonicus*. - Biol. Contr. 155: 104531; DOI: 10.1016/j.biocontrol.2021.104531
- SAN, P.P. / TUDA, M. / TAKAGI, M. (2021): Impact of relative humidity and water availability on the life history of the predatory mite *Amblyseius swirskii*. - BioControl 66,4: 497-510
- SÁNCHEZ-GALINDO, L.M. / SANDMANN, D. / MARIAN, F. / KRASHEVSKA, V. / MARAUN, M. / SCHEU, S. (2021): Leaf litter identity rather than diversity shapes microbial functions and microarthropod abundance in tropical montane rainforests. - Ecol. Evol. 11: 2360-2374
- SANTOS, J.C./YOUNG, M.R./DEMITE, P.R./HEBERT, P.D.N. (2021): New species of *Kuzinellus* Wainstein and redescription of *Kuzinellus querellus* (Ueckermann & Loots) (Acari, Phytoseiidae) with morphological and DNA barcode data. - Syst. Appl. Acarol. 26,1: 135-145**
- SAVI, P.J. / DE MORAES, G.J. / DE ANDRADE, D.J. (2021):* Effect of tomato genotypes with varying levels of susceptibility to *Tetranychus evansi* on performance and predation capacity of *Phytoseiulus longipes*. - BioControl DOI: 10.1007/s10526-021-10096-5
- SAVI, P.J. / MARTINS, M.B. / DE MORAES, G.J. / HOUNTONDI, F.C.C. / DE ANDRADE, D. (2021): Bioactivity of oxymatrine and azadirachtin against *Tetranychus evansi* (Acari, Tetranychidae) and their compatibility with the predator *Phytoseiulus longipes* (Acari, Phytoseiidae) on tomato. - Syst. Appl. Acarol. 26,7: 1264-1279
- SCHMIDT-JEFFRIS, R.A. / COFFEY, J.L. / MILLER, G. / FARFAN, M.A. (2021): Residual activity of acaricides for controlling spider mites in watermelon and their impacts on resident predatory mites. - J. Econ. Entomol. 114,2: 818-827

- SHEN, N. / LI, Y. / LEVITICUS, K. / CHANG, X.L. / TANG, T. / CUI, L. / HAN, Z.J. / ZHAO, C.Q. (2021): Effect of broflanilide on the phytophagous mite *Tetranychus urticae* and the predatory mite *Typhlodromus swirskii*. - Pest. Manag. Sci. 77: 2964-2970**
- SHEN, Y. / GUO, J.-J. / JIN, D.-C. / YI, T.-C. (2021): First record of the genus *Reductholaspis* Emberson (Acari, Macrochelidae) from the Oriental Region with description of a new species from southwestern China. - Intern. J. Acarol. 47,2: 142-151**
- SHOJAEI, A. / KHANJANI, M. / NOURIAN, A. / MAHMOODI, P. (2021): Detection and phylogenetic analysis of deformed wing virus (DWV) in honey bees, *Apis mellifera* L. and parasitic mite, *Varroa destructor* Anderson and Trueman (Acari, Varroidae). - Syst. Appl. Acarol. 26,6: 1177-1184**
- SILVA, L.R.A. / SILVA, E.S. / MARTICORENA, J.L.M. / DE MORAES, G.J. (2021): A new species of *Neopara-phytoseius* (Acari: Mesostigmata, Phytoseiidae) from Brazil, with a review of the genus. - Zootaxa 4985 (2): 235-244**
- SU, Y. / ZHANG, B. / XU, X. (2021): Chemosensory systems in predatory mites: from ecology to genome. - Syst. Appl. Acarol. 26,5: 852-865**
- SUN, J.-L. / ZHANG, X.-F. / YI, T.-C. / GUO, J.-J. / JIN, D.-C. (2021): *Alloeuzercon seemani* gen. nov. and sp. nov. of Euzerconidae (Acari: Mesostigmata) associated with passalid beetles from China. - Intern. J. Acarol. 47,3: 185-198**
- TEODOROWICZ, E. (2021): Description of *Ameroseius georgei* male (Acari: Mesostigmata) recorded from Poland with a key to males of European species within the genus. - Ann. Zool. 71,1: 1-6**
- THAKUR, M. / NEGI, N. / SHARMA, H.K. / RANA, K. / DEVI, M. (2021):* Incidence of *Tropilaclaps clareae* on *Apis cerana* at (Nauni) Solan, Himachal Pradesh. - J. Apic. Res. 60,1: 115-117**
- TIAN, C. / LI, Y. / WU, Y. / CHU, W. / LIU, H. (2021): Sustaining induced heat shock protein 70 confers biological thermotolerance in a high-temperature adapted predatory mite *Neoseiulus barkeri* (Hughes). - Pest Manag. Sci. 77,2: 939-948**
- TIXIER, M.-S./MARTINEZ, S.P./DOUIN, M.(2021): Markers of life history traits: variation in morphology, molecular and amino acid sequences within *Typhlodromus (Anthoseius) recki* Wainstein (Acari: Mesostigmata, Phytoseiidae). - Biol. J. Linn. Soc. 132,1: 53-73**
- TOLDI, M. / BIZARRO, G.L. / DA-COSTA, T. / DA SILVA, V.L. / FERLA, J.J. / JOHANN, L. / DE FREITAS, E.M. / DA SILVA, G.L. / FERLA, N.J. (2021): Mite fauna associated with different environments in the Southern Pampa, Brazil. - Intern. J. Acarol. 47,5: 387-395**
- TOLDI, M. / DE FREITAS, E.M. / DA SILVA, V.L. / CAUMO, M. / FERLA, J.J. / ORLANDI, C.R. / DA-COSTA, T. / JOHANN, L. / FERLA, N.J. (2021): Communities of predatory mites (Phytoseiidae and Stigmeidae) in different environments of the Brazilian Pampa. - Acarologia 61,1: 20-30**
- TSUCHIDA, Y. / MASUI, S. (2021): Suppressive effect of *Euseius sojaensis* or *Amblyseius eharai* (Acari, Phytoseiidae) on *Tetranychus kanzawai* (Acari, Tetranychidae) on Japanese pear. - Jpn. J. Appl. Entomol. Zool. 65: 99-108**
- UECKERMAN, E.A./SITUNGU,S./BARKER, N.P. (2021): Checklist of Phytoseiidae (Acari: Mesostigmata) species from plants bearing leaf domatia, from the Eastern Cape Province, South Africa, with the description of a new species. - J. Nat. Hist. 55,11-12: 683-697**
- VANBERGEN, A.J. / BOISSIERES, C. / GRAY, A. / CHAPMAN, D.S. (2021): Habitat loss, predation pressure and episodic heat-shocks interact to impact arthropods and photosynthetic functioning of microecosystems. - Proc. Royal Soc. B - Biol. Sci. 288,1948: 10 pp.; DOI: doi/10.1098/rspb.2021.0032**
- VIDRIH,M./TURNSEK,A./CIZEJ,M.R./BOHINC,T./TRDAN, S. (2021): Results of the single release efficacy of the predatory mite *Neoseiulus californicus* (McGregor) against the two-spotted spider mite (*Tetranychus urticae* Koch) on a hop plantation. - Appl. Sci. 11: 118; 12 pp.; DOI: 10.3390/app11010118**
- VIEIRA, I.G. / SARAIVA, W.V.A. / FREITAS, G.S. / GALVAO, A.S./AMARAL,E.A./REGO,A.S./TEODORO,A.V.(2021): Compatibility of degummed soybean and babassu oils with the generalist predatory mite *Typhlodromus (Anthoseius) ornatus* (Acari, Phytoseiidae) preying on *Aceria guerreronis* (Acari, Eriophyidae). - Intern. J. Acarol. 47,3: 242-247**
- VLOGIANNITIS, S. / MAVRIDIS, K. / DERMAUW, W. / SNOECK, S. / KATSAVOU, E./ MOROU, E./ HARIZANIS, P.**

ET AL. (2021): Reduced proinsecticide activation by cytochrome P450 confers coumaphos resistance in the major bee parasite *Varroa destructor*. - Proc. Nat. Acad. Sci. USA 118,6: e2020380118; DOI: 10.1073/pnas.2020380118

WANG, C.W. / XU, X.L. / HUANG, Y. / YU, H. / LI, H. / WAN, Q. / LI, H. / WANG, L.Y. / SUN, Y.Y. / PAN, P.L. (2021):* Susceptibility of *Dermanyssus gallinae* from China to acaricides and functional analysis of glutathione S-transferases associated with beta-cypermethrin resistance. - Pest. Biochem. Physiol. 171: e104724; DOI: 10.1016/j.pestbp.2020.104724

WITALINSKI, W. (2021): New *Leptogamasus* mite species (Parasitiformes, Parasitidae) from Europe. II. Northern Italy. - Acarologia 61,1: 173-200

YAN, Y. / ZHANG, N. / LIU, C.L. / WU, X.R. / LIU, K. / YIN, Z. / ZHOU, X.G. / XIE, L.X. (2021): A highly contiguous genome assembly of a polyphagous predatory mite *Stratiolaelaps scimitus* (Womersley) (Acari, Laelapidae). - Genome Biol. Evol. 13,3: evab011; DOI: 10.1093/gbe/evab011

YAZDANPANAH, S. / FATHIPOUR, Y. / RIAHI, E. (2021): Pollen grains are suitable alternative food for rearing the commercially used predatory mite *Neoseiulus cucumeris* (Acari: Phytoseiidae). - Syst. Appl. Acarol. 26,5: 852-865

YIN, P.-W. / GUO, X.-G. / JIN, D.-C. / FAN, R. / ZHAO, C.-F. / ZHANG, Z.-W. / HUANG, X.-B. / MAO, K.-Y. (2021): Distribution and host selection of tropical rat mite, *Ornithonyssus bacoti*, in Yunnan province of Southwest China. - Animals 11: 110; 15 pp.; DOI: 10.3390/ani11010110

YUAN, L. / MORI, S. / HARUYAMA, N. / HIRAI, N. / OSAKABE, M. (2021): Strawberry pollen as a source of UV-B protection ingredients for the phytoseiid mite *Neoseiulus californicus* (Acari, Phytoseiidae). - Pest Manag. Sci. 77,2: 851-859

ZHANG, Z.-Q. / SCHATZ, H. / PFINGSTL, T. / GOLDSCHMIDT, T. / MARTIN, P. / PESIC, V. / RAMIREZ, M. / SCHMIDT, K.-H. ET AL. (2021): Discovering and documenting Acari: the first twenty years in Zootaxa. - Zootaxa 4979 (1): 115-130

Publications 2020

AHMED, R. / GUPTA, S.K. / ROY, S. / BORA, D. (2020): Diversity and seasonal variation of mesostigmatid mites in three tea gardens of Assam (India) with different agro-practices. - Proc. Entomol. Soc. Wash. 122,4: 750-756

AL-AZZAZY, M. / ALHEWAIRINI, S.S. (2020): Effect of temperature and humidity on development, reproduction, and predation rate of *Amblyseius swirskii* (Phytoseiidae) fed on *Phyllocoptura oleivora* (Eriophyidae) and *Eutetranychus orientalis* (Tetranychidae). - Intern. J. Acarol. 46,5: 304-312

ALMECIJA, G. / POIROT, B. / COCHARD, P. / SUPPO, C. (2020): Inventory of *Varroa destructor* susceptibility to amitraz and tau-fluvalinate in France. - Exp. Appl. Acarol. 82,1: 1-16

AMANI, M. / KHAJEHALI, J. / MORADI-FARADONBEH, M. / MACCCHIONI, F. (2020): Species diversity of soil mites (Acari: Mesostigmata) under different agricultural land use types. - Persian J. Acarol. 9,4: 353-366

ARCE, S.I. / MONJE, L.D. / ANTONIAZZI, L.R. / SOSA, C.C. / FASANO, A.A. / QUIROGA, M.A. / LARESCHI, M. / BELDOMENICO, P.M. (2020):* Mesostigmatid mites (Acari: Mesostigmata) at the domestic-wildlife interface: Poultry and passerine birds of central Argentina. - Veter. Parasitol. 284: 109203; DOI: 10.1016/j.vetpar.2020.109203

ARGOLO, P.S. / REVYNTHI, A.M. / CANON, M.A. / BERTO, M.M. / ANDRADE, D. / DÖKER, I. / RODA, A. / CARRILLO, D. (2020):* Potential of predatory mites for biological control of *Brevipalpus yothersi* (Acari, Tenuipalpidae). - Biol. Contr. 146: 104330; DOI: 10.1016/j.biocntrol.2020.104330

ASGARI, F. / MOAYERI, H.R.S. / KAVOUSI, A. / ENKEGAARD, A. / CHI, H. (2020): Demography and mass rearing of *Amblyseius swirskii* (Acari, Phytoseiidae) fed on two species of stored-product mites and their mixture. - J. Econ. Entomol. 113,6: 2604-2612

AURORI, C.M. / GIURGIU, A.-I. / CONLON, B.H. / KASTALLY, C. / DEZMIREAN, D.S. / ROUTTU, J. / AURORI, A. (2020): Juvenile hormone pathway in honey bee larvae: A source of possible signal molecules for the reproductive behavior of *Varroa destructor*. - Ecol. Evol. 11: 1057-1068

AZEVEDO, L.H. / MOREIRA, M.F.P. / PEREIRA, G.G. / BORGES, V. / DE MORAES, G.J. / INOMOTO, M.M. ET AL.

- (2020):* Combined releases of soil predatory mites and provisioning of free-living nematodes for the biological control of root-knot nematodes on 'Micro Tom tomato'. - Biol. Contr. 146: 104280; DOI: 10.1016/j.biocontrol.2020.104280
- BELLAHIRECH, A. / ATTIA, S. / SAHRAOUI, H. / GRISSA, K.L. / JAMAA, M.L.B. (2020):* Report of first investigations on phytophagous and predatory mites in cork oak (*Quercus suber* L.) trees in Tunisian forests. - IOBC-WPRS Bull. 152: 103-107
- BENOIT, J.B. / BOSE, J. / BAILEY, S.T. / POLAK, M. (2020):* Interactions with ectoparasitic mites induce host metabolic and immune responses in flies at the expense of reproduction-associated factors. - Parasitology 147,11: 1196-1205
- BERON, P. (2020): Acarorum Catalogus VI: Order Mesostigmata. Gamasina: Dermanyssoidea (Rhinonyssidae, Spinturnicidae). - Pensoft Ser. Faun. 120: 1-266
- BHATTA, C.P. / REDDY, M.S. / SMITH, D.R. (2020): Scientific note: *Varroa jacobsoni* and *V. destructor* on hill and plains strains of *Apis cerana* in southern India. - Apidologie 51,3: 391-394
- BHOWMICK, B. / TANG, Y. / LIN, F. / OINES, O. / ZHAO, J.G. / LIAO, C.H. / IGHELLI, R. / HANSSON, B.S. / HAN, Q. (2020): Comparative morphological and transcriptomic analyses reveal chemosensory genes in the poultry red mite, *Dermanyssus gallinae*. - Sci. Rep. 10,1: 17923; 13 pp.; DOI: 10.1038/s41598-020-74998-7
- BILBO, T.R. / WALGENBACH, J.F. (2020): Compatibility of Bifenazate and *Phytoseiulus persimilis* for management of twospotted spider mites in North Carolina staked tomatoes. - J. Econ. Entomol. 113,5: 2096-2103
- BŁOSZYK, J. / ADAMSKI, Z. / NAPIERAŁA, A. (2020): *Microurobovella olszanowskii* gen. nov., sp. nov. (Acari, Uropodina) from Italy. - Ann. Zool. 70,3: 453-466**
- BŁOSZYK, J. / NAPIERAŁA, A. (Eds.) (2020): Mites (Acari) of the Białowieża Primeval Forest. - Wydawnictwo Kontekst, Poznań: 1-116
- BOENO, D. / SILVA, R.F. / ALMEIDA, H.S. / RODRIGUES, A.C. / VANZAN, M. / ANDREAZZA, R. (2020): Influence of *Eucalyptus* development under soil fauna. - Braz. J. Biol. 80,2: 345-353
- BÜCHLER, R. / KOVACIC, M. / BUCHEGGER, M. / PUSKADIJA, Z. / HOPPE, A. / BRASCAMP, E.W. (2020): Evaluation of traits for the selection of *Apis mellifera* for resistance against *Varroa destructor*. - Insects 11,9: 618; 20 pp.; DOI: 10.3390/insects11090618
- BÜCHLER, R. / UZUNOV, A. / KOVACIC, M. / PRESERN, J. / PIETROPAOLI, M. / HATJINA, F. / PAVLOV, B. / CHARISTOS, L. / FORMATO, G. / GALARZA, E. (2020):* Summer brood interruption as integrated management strategy for effective *Varroa* control in Europe. - J. Apic. Res. 59,5: 764-773
- CASTILLO-RAMIREZ, O. / GUZMÁN-FRANCO, A.W. / SANTILLÁN-GALICIA, M.T. / TAMAYO-MEJIA, F. (2020): Interaction between predatory mites (Acari, Phytoseiidae) and entomopathogenic fungi in *Tetranychus urticae* populations. - BioControl 65: 433-445
- CHEN, X. / SUN, L. / ZHANG, Y.-P. / ZHANG, Y.-X. / LIN, J.-Z. (2020): Responses of avermectin-resistant and susceptible strains of *Neoseiulus cucumeris* (Oudemans) (Acari, Phytoseiidae) to *Tetranychus urticae* Koch (Acari, Tetranychidae) on sweet potato. - Syst. Appl. Acarol. 25,12: 2286-2299
- CHEN, X. / SUN, L. / ZHANG, Y.-X. / ZHAO, L.-L. / LIN, J.-Z. (2020): Differing infection of *Isaria fumosorosea* (Wize) Brown & Smith in an aphid (*Myzus persicae* (Sulzer)) and predatory mite (*Neoseiulus cucumeris* (Oudemans)) under a scanning electron microscope. - Syst. Appl. Acarol. 25,12: 2263-2272
- CHENG, Z.-D. / MA, L.-M. (2020):* New synonyms and new combinations of Mesostigmatic mites (Acari). - Acta Arachnol. Sin. 29,1: 59-61
- CHERUIYOT, S.K. / KAHUTHIA-GATHU, R. / MBUGI, J.P. / MULI, E. / LATTORFF, H.M.G. (2020): Population abundance of *Varroa destructor* and its effects on *Apis mellifera scutellata* colonies in Kenya. - Exp. Appl. Acarol. 82,2: 171-184
- COBANOGLU, S. / CILBIRCIOLU, C. / SADE, E. (2020): Two new records of predatory mites, *Podocinum pacificum* Berlese and *Parasitus consanguineus* Oudemans and Voigts (Acari, Podocinidae, Parasitidae), in Turkey. - Proc. Entomol. Soc. Wash. 122,4: 764-776
- COCCIOLO, G. / CIRCELA, E. / PUGLIESE, N. / LUPINI, C. / MESCOLINI, G. / CATTELLI, E. / BORCHERT-STUHLTRÄGER, M. ET AL. (2020): Evidence of vector borne transmission of *Salmonella enterica enterica* serovar Gallinarum

- and fowl typhoid disease mediated by the poultry red mite, *Dermanyssus gallinae* (De Geer, 1778).- Paras. Vect. 13: 513; 10 pp.; DOI: 10.1186/s13071-020-04393-8
- CONLON, B.H. / KASTALLY, C. / KARDELL, M. / KEFUSS, J. / MORITZ, R.F.A. / ROUTTU, J. (2020): Selection for outbreeding in *Varroa* parasitising resistant honey bee (*Apis mellifera*) colonies. - Ecol. Evol. 10: 7806-7811
- CONTI, B./BOCCHINO, R./COSCI, F./ASCRIZZI, R./FLAMINI, G. / BEDINI, S. (2020):* Essential oils against *Varroa destructor*: a soft way to fight the parasitic mite of *Apis mellifera*. - J. Apic. Res. 59,5: 774-782
- DAVIDOVA, R.D. / VASILEV, V.M. (2020): Mite fauna (Acari: Parasitiformes) in nests of eurasian blue tit *Cyanistes caeruleus* (Linnaeus, 1758) (Passeriformes, Paridae) and a comparison with two other passerine bird species. - Acta Zool. Bulg. 72,2: 217-224
- DE AZEVEDO, E.B. / AZEVEDO, L.H. / MOREIRA, G.F. / DOS SANTOS, F.A. / DE CARVALHO, M.A.F. / SARMENTO, R.D. / CASTILHO, R.D. (2020): Diversity of soil gamasine mites (Acari: Mesostigmata: Gamasina) in an area of natural vegetation and cultivated areas of the cerrado biome in Northern Brazil. - Diversity 12,9: 331; 16 pp.; DOI: 10.3390/d12090331
- DE LA MORA, A. / EMSEN, B. / MORFIN, N. / BORGES, D. / ECCLES, L. / KELLY, P.G. / GOODWIN, P.H. / GUZMAN-NovoA, E. (2020): Selective breeding for low and high *Varroa destructor* growth in honey bee (*Apis mellifera*) colonies: initial results of two generations - Insects 11,12: 864; 9 pp.; DOI: 10.3390/insects11120864
- DECRU, E. / MUL, M. / NISBET, A.J. / NAVARRO, A.H.V. / CHIRON, G. / WALTON, J. / NORTON, T. / ROY, L. / SLEEKX, N. (2020): Possibilities for IPM strategies in european laying hen farms for improved control of the poultry red mite (*Dermanyssus gallinae*): details and state of affairs. - Front. Veter. Sci. 7: 565866; 19 pp.; DOI: 10.3389/fvets.2020.565866
- DEHAIBES, S.R.R./ARCRERITO, F.R.M./CHÁVEZ-HERNÁNDEZ, E. / LUNA-OLIVARES, G. / MARCANGELI, J. / EGUARAS, M. / MAGGI, M. (2020): Control of *Varroa destructor* development in africanized *Apis mellifera* honeybees using Aluen Cap (oxalic acid formulation). - Intern. J. Acarol. 46,6: 405-408
- DÖKER, I. / KAZAK, C. (2020):* Toxicity and risk assessment of acaricides on the predatory mite, *Euseius scutalis* (Athias-Henriot) (Acari, Phytoseiidae) under laboratory conditions. - Chemosphere 261: 127760
- DÖKER, I. / KAZAK, C. / KARUT, K. (2020): The genus *Amblyseius* Berlese (Acari, Phytoseiidae) in Turkey with discussion on the identity of *Amblyseius meridionalis*. - Syst. Appl. Acarol. 25,8: 1395-1420
- DUAN, X.-L. / ZHAO, B.-A. / LIU, Y. / XIONG, M.-Q. / HE, N. / HUANG, S.-K. / HUANG, W.-F. / LI, J.-H. (2020): Development and characterization of six novel microsatellite markers for honey bee parasitic mite *Varroa destructor* (Mesostigmata, Varroidae). - Syst. Appl. Acarol. 25,10: 1733-1744
- DUSO, C. / VAN LEEUWEN, T. / POZZEBON, A. (2020):* Improving the compatibility of pesticides and predatory mites: recent findings on physiological and ecological selectivity. - Curr. Opinion Ins. Sci. 39: 63-68
- ERDEM, H. / KONYALI, C. / AKBAG, H.I. / SAVAS, T. (2020):* Growth, behavioural and haematological responses to poultry red mite infestation in Japanese quail. - Eur. Poultry Sci. 84; DOI: 10.1399/eps.2020.305
- ERSIN, F. / DÖKER, I. / TURANLI, F. (2020): Toxicity of sulfoxaflor and four modern fungicides on various stages of a non-target predatory mite, *Amblyseius swirskii* (Acari, Phytoseiidae). - Syst. Appl. Acarol. 25,9: 1531-1540
- EYNARD, S.E. / SANN, C. / BASSO, B. / GUIRAO, A.-L. / LE CONTE, Y. / SERVIN, B. / TISON, L. / VIGNAL, A. / MONDET, F. (2020): Descriptive analysis of the *Varroa* non-reproduction trait in honey bee colonies and association with other traits related to *Varroa* resistance. - Insects 11,8: 492; 16 pp.; DOI: 10.3390/insects11080492
- FAN, Q.-H. / DAYAL, S.S. / FONG, H.M. / RAKUITA, P. / RAM, J.A. (2020): A contribution to the fauna of mites (Acari) in Fiji. - Syst. Appl. Acarol. 25,8: 1444-1460
- FANG, X.-D. / OUYANG, G.-C. / WU, W.-N. (2020): Phytoseiid mites (Acari: Mesostigmata, Phytoseiidae) in Nanling National Nature Reserve, Guangdong, China. - Zootaxa 4830 (2): 356-370
- FARAZMAND, A. / AMIR-MAAFI, M. (2020): Oviposition model of *Amblyseius swirskii* Athias-Henriot in prey system (*Tetranychus urticae* Koch). - Syst. Appl. Acarol. 25,10: 1857-1866
- FATHIPOUR, Y. / MALEKNIA, B. / BAGHERI, A. / SOUFBAF,

- M. / REDDY, G.V.P. (2020):* Functional and numerical responses, mutual interference, and resource switching of *Amblyseius swirskii* on two-spotted spider mite. - Biol. Contr. 146: 104266; DOI: 10.1016/j.biocontrol.2020.104266
- FILGUEIRAS, R.M.C. / DA SILVA, B.W.R. / DE SOUSA NETO, E.P. / DE ALMEIDA MENDES, J. / DA SILVA MELO, J.W. (2020): Can the prey species *Raoiella indica* Hirst (Acari, Tenuipalpidae) support the development and reproduction of *Neoseiulus barkeri* Hughes (Acari, Phytoseiidae)? - Syst. Appl. Acarol. 25,8: 1485-1494
- FUJISAWA, S. / MURATA, S. / ISEZAKI, M. / OISHI, E. / TANENO, A. / MAEKAWA, N. / OKAGAWA, T. / KONNAI, S. / OHASHI, K. (2020):* Transcriptome dynamics of blood-fed and starved poultry red mites, *Dermanyssus gallinae*. - Parasit. Intern. 78: 102156; DOI: 10.1016/j.parint.2020.102156
- FUNAYAMA, K. / KOMATSU, M. (2020): Absence of mowing prevents resurgence of *Tetranychus urticae* and *Panonychus ulmi* (Acari, Tetranychidae) after broad-spectrum insecticide use in apple orchards. - Appl. Entomol. Zool. 55: 379-384
- GAD, M. EL-SAYED / METWALLY, A.-S. M. / BREAM, A.S. (2020): Some mesostigmated mites associated with food stuff. - Egypt. Acad. J. Biol. Sci., A. Entomol. 13,2: 189-194
- GAO, X.-P. / BAI, X.-L. / MA, L.-M. / ZHANG, T. (2020):* Investigations of mesostigmatic mites from Ningxia and neighbouring Province (Acari) (9). - Acta Arachnol. Sin. 29,2: 143-148
- GEORGILADAKI, S. / ISAAKIDIS, D. / SPYROS, A. / TSIKALAS, G.K. / KATERINOPoulos, H.E. (2020): Enantioselective synthesis of a costic acid analogue with acaricidal activity against the bee parasite *Varroa destructor*. - Royal Soc. Open Sci. 7,9: 200612; 11 pp.; DOI: 10.1098/rsos.200612
- GOBBI, P.C. / DUARTE, J.L.P. / DA SILVA, L.R. / NAVA, D.E. / FIALHO, G.S. / DA CUNHA, U.S. / DUARTE, A.F. (2020): Effects of thermal shock on the survival and reproduction of *Stratiolaelaps scimitus* (Mesostigmata, Laelapidae). - Exp. Appl. Acarol. 82,4: 493-501
- GUO, Y. / SIEPEL, H. (2020): Monitoring microarthropods assemblages along a pH gradient in a forest soil over a 60 years' time period. - Appl. Sci. 10: 8282; 13 pp.; DOI: 10.3390/app10228202
- GWIĄDOWICZ, D.J./NEMATI,A./RIAHI,E.(2020): Some new species records with description of two new species of *Gaeolaelaps* (Mesostigmata, Laelapidae) from United States. - Ann. Zool. 70,4: 521-531**
- GWIĄDOWICZ, D.J. / NEMATI, A. / RIAHI, E. (2020): *Chapalaelaps secretumsternalis* (Acari, Laelapidae): a new genus and new species of mite from French Guyana. - Intern. J. Acarol. 46,8: 595-605**
- HAJIZADEH, J. / HOSSEINI, R. (2020): A new species of *Olopachys* Berlese (Acari, Pachylaelapidae) from Iran with a key to the world species. - Intern. J. Acarol. 46,7: 530-537**
- HALAWA, M.A. / METWALLY, ABD-ELSATTAR M. / ABDALLAH, AWAD. A. / AZIZA, M. ABO-ZAID (2020): Population dynamics of *Eutetranychus orientalis* (Klein) and predacious mites associated with three citrus varieties (Navel Orange, Grapefruit, and Lemon) at El-Sharqia Governorate. - Egypt. Acad. J. Biol. Sci., A. Entomol. 13,3: 47-56
- HAN, G.-D. / SU, J. / ZHANG, J. / CHEN, J. / ZHANG, J.-P. (2020): The predatory mite *Neoseiulus bicaudus* (Mesostigmata, Phytoseiidae), a promising biocontrol agent of whitefly *Bemisia tabaci* (Hemiptera, Aleyrodidae). - Syst. Appl. Acarol. 25,12: 2273-2285
- HÄUSERMANN, C.K. / GIACOBINO, A. / MUNZ, R. / ZIEGELMANN, B./PALACIO, M.A./ROSENKRANZ, P.(2020): Reproductive parameters of female *Varroa destructor* and the impact of mating in worker brood of *Apis mellifera*. - Apidologie 51,3: 342-355
- HERNÁNDEZ-RODRIGUEZ, C.S./MARIN,O./CALATAYUD, F. / MAHIQUES, M.J. / MOMPÓ, A. / SEGURA, I. / SIMÓ, E. / GONZÁLEZ-CABRERA, J. (2020): Large-scale monitoring of resistance to Coumaphos, Amitraz, and pyrethroids in *Varroa destructor*. - Insects 12,1: 27; 12 pp.; DOI: 10.3390/insects12010027
- HIGES,M./MARTIN-HERNANDEZ,R./HERNANDEZ-RODRIGUEZ, C.S. / GONZALEZ-CABRERA, J. (2020):* Assessing the resistance to acaricides in *Varroa destructor* from several Spanish locations. - Parasitol. Res. 119,11: 3595-3601
- HILARIO-PÉREZ, A.D./DOWLING,A.P.G. (2020): Prevalence and new host records of nasal mites (Acari, Rhinonyssidae, Ereynetidae, Turbinoptidae) in birds from Arkansas and Illinois (United States). - Intern. J. Acarol. 46,8: 589-594
- HOLUSA, J. / CEJKA, M. (2020): Estimates of phoretic mite abundance on bark beetles as affected by beetle

- capture method: a case study with Mesostigmata mites and *Ips typographus* (Coleoptera, Curculionidae). - *Exp. Appl. Acarol.* 82,3: 347-357
- HUANG, Y. / LI, H. / WANG, C.W. / XU, X.L. / YU, H. / MENG, A.L. / QI, X.X. / WANG, B.H. / PAN, B.L. (2020):* De novo assembly and discovery of genes related to blood digestion in the transcriptome of *Dermanyssus gallinae* (Acari, Dermanyssidae). - *Veter. Parasitol.* 286: 109246; DOI: 10.1016/j.vetpar.2020.109246
- IGLESIAS, A. / MITTON, G. / SZAWARSKI, N. / COOLEY, H. / RAMOS, F. / ARCEITO, F.M. / BRASESCO, C. / RAMIREZ, C. ET AL. (2020):* Essential oils from *Humulus lupulus* as novel control agents against *Varroa destructor*. - *Ind. Crops Prod.* 158: 113043; DOI: 10.1016/j.indcrop.2020.113043
- INAK, E. / SALMAN, S.Y. (2020): Insecticide resistance mechanisms in predatory mites. - *Intern. J. Pest Manag.*: 8 pp.; DOI: 10.1080/09670874.2020.1817619
- JIANG, J. / ZHANG, Y. / MA, L. / NIU, T. / DONG, T. / SHENG, R. / LI, L. / XU, Y. / XI, L. / LI, G. (2020): Molecular characterization of *Neoseiulus barkeri* vitellogenin genes and vitellogenin receptor during reproductive diapause. - *Insects* 11,4: 203; 16 pp.; DOI: 10.3390/insects11040203
- JOHARCHI, O. / ABRAMOV, V.V. (2020): A new species of *Laelaspis* Berlese (Acari: Mesostigmata, Laelapidae) from European Russia. - *Intern. J. Acarol.* 46,8: 634-643**
- JOHARCHI, O. / ASYAMOVA, O.S. / KHAUSTOV, A.A. / UHEY, D.A. / ISSAKOVA, A.K. / TOLSTIKOV, A.V. (2020): New data on two myrmecophilous laelapid mites (Acari: Mesostigmata, Laelapidae) in Western Siberia, Russia. - *Intern. J. Acarol.* 46,7: 513-523
- JOHARCHI, O. / CILBIRCIOLU, C. / DÖKER, I. / KHAUSTOV, V.A. (2020): Redescription of *Hypoaspisella pini* (Hirschmann, Bernhard, Greim and Götz) comb. n. (Acari, Mesostigmata, Laelapidae) with a key to world species of *Hypoaspisella* with setae ST1 off sternal shield. - *Acarina* 28,2: 193-202
- JOHARCHI, O. / HUGO-COETZEE, E.A. / ERMILOV, S.G. / KHAUSTOV, A.A. (2020): A new unusual species of *Gaeolaelaps* Evans & Till (Mesostigmata, Laelapidae) from South Africa. - *Ann. Zool.* 70,3: 439-447**
- KAMCZYK, J. / SZEMIS, D. / URBANOWSKI, C.K. / MALICA, J. / PERS-KAMCZYK, E. (2020): Soil mite (Acari, Mesostigmata) biomass, species richness and diversity in soil and decayed logs of European Beech (*Fagus sylvatica* L.) forests. - *Syst. Appl. Acarol.* 25,9: 1576-1588
- KAMCZYK, J. / TURCZANSKI, K. / MALICA, J. / URBANOWSKI, C.K. / KOBUSIEWICZ, A. / PERS-KAMCZYK, E. (2020): Soil near mature oaks is refugium for soil mites (Acari, Mesostigmata) in managed forests. - *Intern. J. Acarol.* 46,5: 327-334
- KAZEMI, S. / PAKTNAT-SAEIJ, S. / SABERI, S. (2020): Description of a new species of *Gaeolaelaps* Evans & Till (Mesostigmata, Laelapidae) from northern Iran, supplementary information on *G. deinos* (Zeman) and redescription of *G. schusteri* (Hirschmann). - *Syst. Appl. Acarol.* 25,11: 1969-1987**
- KHAUSTOV, V.A. (2020): Review of *Amblyseius* Berlese (Acari, Phytoseiidae) in Western Siberia, Russia. - *Acarologia* 60,4: 769-805
- KHAUSTOV, V.A. / DÖKER, I. / JOHARCHI, O. / KHAUSTOV, A.A. (2020): A new record and a redescription of *Typhlodromips montanus* (Wainstein, 1962) comb. n. (Acari, Phytoseiidae) from the Altai Republic, Russia. - *Acarina* 28,2: 203-211
- KOLICS, É. / MÁTYÁS, K. / TALLER, J. / SPECZIÁR, A. / KOLICS, B. (2020): Contact effect contribution to the high efficiency of lithium chloride against the mite parasite of the honey bee. - *Insects* 11,6: 333; 7 pp.; DOI: 10.3390/insects11060333
- KONTSCHÁN, J. (2020): A second species of the family Eutrachytidae (Acari: Uropodina) in Africa: *Mahnertellina paradoxa* gen. nov., sp. nov. from the Ivory Coast. - *Rev. Suisse Zool.* 127,1: 75-81**
- KONTSCHÁN, J. (2020): Rotundabaloghid mites (Acari, Mesostigmata) from West-Africa. - *Ann. Zool.* 70,3: 321-326
- KONTSCHÁN, J. / ERMILOV, S.G. (2020): Two new species of the genus *Bloszykiella* (Acari, Uropodidae) from the Afrotropical region. - *Syst. Appl. Acarol.* 25,10: 1915-1923**
- KONTSCHÁN, J. / FRIEDRICH, S. (2020): Resurrection of the genus *Formosarella* Hirschmann (Uropodina, Discourellidae) with descriptions of a new species and a new subgenus. - *Syst. Appl. Acarol.* 25,8: 1508-1515**

- KONWERSKI, S. / GUTOWSKI, J.M. / BŁOSZYK, J. (2020): Patterns of distribution of phoretic deutonymphs of Uropodina on longhorn beetles in Białowieża Primeval Forest, Central Europe. - *Diversity* 12: 239; 14 pp.; DOI: 10.3390/d12060239
- KOZIAŁEK-SADŁOWSKA, S. / SOKÓŁ, R. (2020): Changes in the percentages of B- and T-Lymphocytes and antibody titres in laying hens infested with *Dermanyssus gallinae* - a preliminary study. - *Animals* 10: 987; 10 pp.; DOI: 10.3390/ani10060987
- KREITER, S. / ABO-SHNAF, R.I.A. / PAYET, R.-M. (2020): Phytoseiid mites of Mayotte Island (Acari: Mesostigmata). - *Acarologia* 60,3: 622-642
- KUMAR, V. / MCKENZIE, C.L. / AVERY, P.B. / OSBORNE, L.S. (2020):* Suitability of ornamental pepper cultivars as banker plants for the establishment of predatory mite *Amblyseius swirskii* in controlled production. - *Sustainability* 12,19: 8031; DOI: 10.3390/su12198031
- KUREK, P. / NOWAKOWSKI, K. / RUTKOWSKI, T. / WAZNA, A. / CICHOCKI, J. / ZACHARYSIEWICZ, M. / BŁOSZYK, J. (2020): Underground diversity: Uropodina mites (Acari: Mesostigmata) from European badger (*Meles meles*) nests. - *Exp. Appl. Acarol.* 82,4: 503-513
- LAM, W. / PAYNTER, Q. / ZHANG, Z.-Q. (2020):* Functional response of *Amblyseius herbicolus* (Acari, Phytoseiidae) on *Sericothrips staphylinus* (Thysanoptera, Thripidae), an ineffective biocontrol agent of gorse. - *Biol. Contr.* 152: 104468; DOI: 10.1016/j.biocontrol.2020.104468
- LE CONTE, Y. / MEIXNER, M.D. / BRANDT, A. / CARRECK, N.L. / COSTA, C. / MONDET, F. / BUCHLER, R. (2020): Geographical distribution and selection of european honey bees resistant to *Varroa destructor*. - *Insects* 11,12: 873; 34 pp.; DOI: 10.3390/insects11120873
- LEE, M.H. / FAN, Q.-F. / YU, L. / ZHANG, Z.-Q. (2020): Caloric restriction extends lifespan of mothers at the expense of offspring survival in a predatory mite (*Neoseiulus cucumeris*). - *Syst. Appl. Acarol.* 25,11: 1948-1962
- LI, D.-D. / YI, T.-C. / JIN, D.-C. (2020): Morphological changes in *Neoseiulus californicus* (Acari, Phytoseiidae). In: ZHANG, Z.-Q. / FUANGARWORN, M. / SEEMAN, O. (Eds.), Ontogeny and morphological diversity in immature mites (Part III). - *Zootaxa* 4857 (1): 71-96
- LI, H. / HUANG, Y. / WANG, J.W. / YU, H. / ZHAO, J.Y. / WAN, Q. / QI, X.X. / LI, H. / WANG, C.W. / PAN, B.L. (2020):* Molecular and biochemical characterization of enolase from *Dermanyssus gallinae*. - *Gene* 756: 144911; DOI: 10.1016/j.gene.2020.144911
- LI, J.-P. / WU, Y.-N. / YANG, P. / SHI, J.-P. / BAI, X.-L. / LI, C.-L. (2020):* Investigations on mesostigmatic mites from Lingwu, Ningxia, China (Acari) (1). - *Acta Arachnol. Sin.* 29,1: 62-70
- LI, Y.-Y. / MA, R.-J. / TIAN, C.-B. / YUAN, J.-G. / XU, Y.-J. / CHEN, H.-Q. / LIU, H. (2020): Molecular characterization of three Niemann-Pick type C2 proteins in the predatory mite *Neoseiulus barkeri* Hughes (Acari, Phytoseiidae). - *Syst. Appl. Acarol.* 25,8: 1421-1432
- LINDQUIST, E.E. / OCONNOR, B.M. / SHAW, M.D. / SIDORCHUK, E.A. (2020): Review of the genera *Berlesia* Canestrini, 1884, and *Katydiseius* Fain & Lukoschus, 1983, the subfamily *Katydiseiinae* Fain & Lukoschus, 1983, and their family group relationships (Acari, Mesostigmata, Gamasina), with description of three new species parasitic on gryllacridid crickets (Orthoptera). In: ZHANG, Z.-Q. / FUANGARWORN, M. / SEEMAN, O. (Eds.), Ontogeny and morphological diversity in immature mites (Part III). - *Zootaxa* 4857 (1): 5-70
- LIU, F. / XU, X.J. / ZHANG, Y. / ZHAO, H.X. / HUANG, Z.Y. (2020): A meta-analysis shows that screen bottom boards can significantly reduce *Varroa destructor* population. - *Insects* 11,9: 624; 8 pp.; DOI: 10.3390/insects11090624
- LONG, Y. / YI, T.-C. / JIN, D.-C. / GUO, J.-J. (2020): *Arrhenoseius* Walter & Lindquist (Mesostigmata, Blattisociidae): newly recorded from the Oriental Realm with description of two new species from China. - *Intern. J. Acarol.* 46,7: 544-567
- MA, L.-M. (2020):* On family Neoparasitidae and genus *Stratiolaelaps*, Laelapidae in China (Acari: Mesostigmata). - *Acta Arachnol. Sin.* 29,1: 56-58
- MA, L.-M. (2020):* Supplementary descriptions of four known species of Uropodid mites (Acari: Mesostigmata). - *Acta Arachnol. Sin.* 29,1: 51-55
- MA, L.-M. / LIN, J.-Z. (2020):* Supplemental characters of four known species of the genera *Gamasellus*, *Gamaselloides* and *Asca* (Acari: Mesostigmata: Rhodacaridae, Ascidae). - *Acta Arachnol. Sin.* 29,1: 46-50
- MA, L.-M. / LIN, S. (2020):* A new species of the

- genus *Macrocheles* and a new species of the genus *Tridiplogynium* (Acari: Mesostigmata: Macrochelidae, Diplogyniidae). - Acta Arachnol. Sin. 29,1: 39-42**
- MA, M. / FAN, Q.-H. / ZHANG, Z.-Q. (2020): *Neoseiulus kikuyu* sp. nov. (Mesostigmata, Phytoseiidae): descriptions of all life stages from New Zealand. - Syst. Appl. Acarol. 25,11: 2098-2114**
- MA, M. / ZHANG, B. / FAN, Q.-H. / ZHANG, Z.-Q. (2020): Ontogenetic changes in the morphology of *Neoseiulus barkeri* (Acari, Phytoseiidae). In: ZHANG, Z.-Q./ FUANGAR-WORN, M. / FAN, Q.-F. / YI, T.-C. (Eds.), Ontogeny and morphological diversity in immature mites (Part IV). - Zootaxa 4900 (1): 5-19
- MAKAROVA, O.L./BIZIN, M.S.(2020): Littoral mesostigmatic mites (Acari, Parasitiformes) from the Kola Peninsula. - Polar Biol. 43: 1503-1518
- MALLOCH, B. / TATSUMI, S. / SEIBOLD, S. / CADOTTE, M.W. / MACLVOR, J.S. (2020): Urbanization and plant invasion alter the structure of litter microarthropod communities. - J. Anim. Ecol. 89: 2496-2507
- MASÁN, P. (2020): A new wood-inhabiting mite species of the genus *Dendroseius* Karg, 1965 (Acari, Mesostigmata, Rhodacaridae) from Central Europe (Slovakia). - ZooKeys 984: 49-57**
- MASRY, S.H.D. / ABD EL-WAHAB, T.E. / RASHAD, M. (2020): Evaluating the impact of jatropha oil extract against the *Varroa* mite, *Varroa destructor* Anderson & Trueman (Arachnida: Acari, Varroidae), infesting honeybee colonies (*Apis mellifera* L.). - Egypt. J. Biol. Pest Contr. 30,1: 91; 7 pp.; DOI: 10.1186/s41938-020-00292-3
- McGREGOR, R. / CRISP, K. / CASTIGLIA, C. (2020): Feeding lifestyles of the Phytoseiidae revisited: searching for a factitious rearing host for *Neoseiulus fallacis* (Acari, Phytoseiidae). - BioControl 65: 593-599
- MENDOZA, Y./GRAMAJO, E./INVERNIZZI, C./TOMASCO, I.H. (2020): Mitochondrial haplotype analyses of the mite *Varroa destructor* (Acari, Varroidae) collected from honeybees *Apis mellifera* (Hymenoptera, Apidae) in Uruguay. - Syst. Appl. Acarol. 25,8: 1526-1529
- MESQUITA-SOUZA, D. / VIEGAS-MELO, D. / MARTINS, T.F. / MONTEIRO, S.G. / FACCINI, J.L.H. / LABRUNA, M.B. / BARROS-BATTESTI, D.M. / BASSINI-SILVA, R. / SOARES, A.M.S. / COSTA, L.M. / LUZ, H.R. (2020): An overview of gamasoidosis caused by *Ornithonyssus bursa* (Mesostigmata, Macronyssidae) in Brazil and new case records. - Intern. J. Acarol. 46,7: 568-573
- MOERKENS, R. / JANSSEN, D. / BERNARD, N. / REYBOECK, E. / TELLEZ, M.D. / RODRIGUEZ, E. / BOSMANS, L. / LEIRS, H. / SLUYDTS, V. (2020): Simplified modelling enhances biocontrol decision making in tomato greenhouses for three important pest species. - J. Pest Sci. 94: 285-295; DOI: 10.1007/s10340-020-01256-0
- MOHINDRU, B. / CHHUNEJA, P.K. / SINGH, J. (2020):* Validation of hygienic *Apis mellifera* L. colonies against *Varroa destructor* Anderson and Trueman infestation. - Indian J. Exp. Biol. 58,9: 656-660
- MOJAZ, M. / KAZEMI, S. (2020): Fauna of soil-inhabiting Mesostigmata (Acari) in Mahan City and new report of a subgenus and a species of the subfamily Pergamasinae (Parasitidae) from Iran. - J. Entomol. Soc. Iran 40,3: 255-266
- MOMEN, F.M. / HASSAN, M.F. / IAMLOM, M. (2020): Evaluation of two factitious preys for rearing *Neoseiulus barkeri* (Acari, Phytoseiidae). - Intern. J. Acarol. 46,6: 387-393
- MONDET, F. / PAREJO, M. / MEIXNER, M.D. / COSTA, C. / KRYGER, P. / ANDONOV, S. / SERVIN, B. ET AL. (2020): Evaluation of suppressed mite reproduction (SMR) reveals potential for *Varroa* resistance in european honey bees (*Apis mellifera* L.). - Insects 11,9: 595; 16 pp.; DOI: 10.3390/insects11090595
- MONDET, F / BEAUREPAIRE, A. / McAFFEE, A. / LOCKE, B. / ALAUX, C. / BLANCHARD, S. / DANKA, B. / LE CONTE, Y. (2020): Honey bee survival mechanisms against the parasite *Varroa destructor*: a systematic review of phenotypic and genomic research efforts. - Intern. J. Parasitol. 50: 433-447
- MUL, M.F. / VAN VUGT, S.M.A. / GOSELINK, Y.S.M. / VAN DEN BRAND, H. (2020):* Effects of heating laying hen houses between consecutive laying cycles on the survival of the poultry red mite *Dermanyssus gallinae*. - Veter. Parasitol. 288: 109307; DOI: 10.1016/j.vetpar.2020.109307
- MURILLO, A.C. / MULLENS, B.A. (2020): Collecting and monitoring for northern fowl mite (Acari, Macronyssidae) and poultry red mite (Acari, Dermanyssidae) in poultry systems. - J. Ins. Sci. 20,6: 12; 7 pp.; DOI: 10.1093/jisesa/ieaa032

- NAPIERAŁA, A./KONWERSKI, S./GUTOWSKI, J.M./BŁOSZYK, J. (2020): Species diversity of Uropodina communities (Acari: Parasitiformes) in soil and selected microhabitats in the Białowieża Primeval Forest. In: BŁOSZYK, J. / NAPIERAŁA, A. (Eds.), Mites (Acari) of the Białowieża Primeval Forest. - Publ. House Kontekst Poznán: 11-60
- NAVARRO-CAMPOS, C./BELTRÀ, A./CALABUIG, A./GARCIA-MARI, F. / WÄCKSERS, F.L. / PEKAS, A. (2020): Augmentative releases of the soil predatory mite *Gaeolaelaps aculeifer* reduce fruit damage caused by an invasive thrips in Mediterranean citrus. - Pest Manag. Sci. 76: 2500-2504
- NEGM, M.W. / GOTOH, T. (2020): A new species of *Amblyseius* Berlese (Acari, Phytoseiidae) from Japan. - Biologia 75,11: 1977-1981**
- NEMATI, A. / RIAHI, E. (2020):* Does feeding on pollen grains affect the performance of *Amblyseius swirskii* (Acari, Phytoseiidae) during subsequent generations? - Bull. Entomol. Res. 110,4: 449-456; DOI: 10.1017/S0007485319000804
- NGANSO, B.T. / MANI, K. / ALTMAN, Y. / RAFAELI, A. / SOROKER, V. (2020): How crucial is the functional pit organ for the *Varroa* mite? - Insects 11,6: 395; 11 pp.; DOI: 10.3390/insects11060395
- NOUREDDINE, A. / REDHA, S. / NIZAR, H. (2020): Study of the efficacy of Oxalic acid and Thymovar (Thymol) against the parasitic mite of the honey bee, *Varroa destructor*. - Egypt. Acad. J. Biol. Sci., A. Entomol. 13,4: 87-94
- NUNES, M.A. / NOVELLI, V.M. / DA CUNHA, B.A. / SOARES, A.J. / DE MINEIRO, J.L.C. / FREITAS-ASTÚA, J. / BASTIANEL, M. (2020): Survey of the citrus leprosis vector (*Brevipalpus yothersi*) and phytoseiids in spontaneous plants of an organic citrus orchard. - Exp. Appl. Acarol. 82,2: 199-209
- OGIHARA, M.H./STOIC, M./MORIMOTO, N./YOSHIMAYA, M. / KIMURA, K. (2020): A convenient method for detection of *Varroa destructor* (Acari, Varroidae) using roasted soybean flour. - Appl. Entomol. Zool. 55,4: 429-433
- OH, S.-I. / PARK, K.-T. / JUNG, Y. / DO, Y.J. / CHOE, C. / CHO, A. / KIM, S. / YOO, J.G. (2020): A sampling and estimation method for monitoring poultry red mite (*Dermanyssus gallinae*) infestation on caged-layer poultry farms. - J. Vet. Sci. 21,3: e41; 12 pp.; DOI: 10.4142/jvs.2020.21.e41
- OLIVEIRA, G.M.BDE/BASSINI-SILVA, R./HUANG-BASTOS, M. / PEREIRA, J.S./SPONCHIADO, J.ETAL.(2020):Contribution about the knowledge of *Lepronysoides pereirai* (Fonseca, 1935) (Mesostigmata, Macronyssidae): hosts and distribution. - Intern. J. Acarol. 46,5: 377-379
- ORLOVA, M.V. / KLIMOV, P.B. / KRUSKOP, S.V. (2020): First record of the ectoparasitic mite *Spinturnix scuticornis* (Acari, Spinturnicidae) from the Himalayan whiskered bat *Myotis siligorensis* (Chiroptera, Vespertilionidae) in Vietnam. - Intern. J. Acarol. 46,7: 574-577
- ORLOVA, M.V. / LAVERTY, T.M. / REEVES, W.K. / GRATTON, E.M. / DAVIES, M.L. / ANISIMOV, N.V. (2020): New geographical and host record of bat ectoparasite *Steatonyssus (Steatonyssus) afer* Radovsky and Yunker, 1963 (Mesostigmata: Gamasina, Macronyssidae). - Acarologia 60,1: 951-958
- ORLOVA, M.V. / SMIRNOV, D.G. / ANISIMOV, N.V. / ORLOV, O.L. / KLIMOV, P.B. / VEKHNIK, V.P. / MURASHKO, E.S. / LUKYANENKO, A.M. (2020): Parasitic macronyssid mites (Mesostigmata, Macronyssidae) from bats of Northern Caucasus with key for females of the genus *Macronyssus* Kolenati, 1858 of Russia and adjacent countries. - Intern. J. Acarol. 46,5: 364-372
- PARASCHIV, M. / ISAIA, G. (2020): Disparity of phoresy in mesostigmatid mites upon their specific carrier *Ips typographus* (Coleoptera, Scolytinae). - Insects 11,11: 771; 13 pp.; DOI: 10.3390/insects11110771
- PARK, Y.G. / LEE, J.H. (2020):* Temperature-dependent development and oviposition models and life history characteristics of *Amblyseius eharai* (Amitai et Swirski) (Acari, Phytoseiidae) preying on *Tetranychus urticae* (Koch) (Acari, Tetranychidae). - J. Asia-Pacific Entomol. 23,4: 869-878
- PERDIKIS, D. / PSAROUDAKI, S. / PAPADOULIS, G. (2020): Compatibility of *Nesidiocoris tenuis* and *Iphiseius degenerans* with insecticides, miticides and fungicides used in tomato crops. - Bull. Insectology 73,2: 181-192
- PIOTROWSKI, W. / LABANOWSKA, B.H. / CROSS, J.V. (2020): Efficacy of spirotetramat for control of blackcurrant leaf midge *Dasineura tetensi* (Rübs.), its effects on phytoseiid predatory mites and residues in fruits. - Eur. J. Hortic. Sci. 85,6: 455-470
- PORTA, A.O. / SOTO, I.M. / SOTO, E.M. / SAINT ESTEVEN, A. (2020): First record of *Macrocheles subbadius* (Berlese) (Acari, Macrochelidae) in Argentina,

- associated with the cactophilic fly *Drosophila koepferae* Fontdevila & Wasserman (Diptera, Drosophilidae) - Rev. Soc. Entomol. Argent. 79,4: 47-50
- QUINTERO-GUTIÉRREZ, E.J. / CÓMBITA-HEREDIA, O. / KLOMPEN, H. (2020): Mesostigmatid mites associated with *Oxysternon conspicillatum* (Coleoptera, Scarabaeidae): a new species of *Macrocheles*, description of the male of *M. magna*, and four new records for Colombia.** - Intern. J. Acarol. 46,7: 496-512
- QUINTERO-GUTIÉRREZ, E.J. / SANDMANN, D. / CÓMBITA-HEREDIA, O. / KLARNER, B. / WIDYASTUTI, R. / SCHEU, St. (2020): Review of the mite genus *Krantzolaspina* Datta & Bhattacharjee (Mesostigmata, Parholaspidae) with re-description of *K. angustatus* comb. nov. (Ishikawa) from Indonesia. - ZooKeys 997: 47-68
- RAI, J.K. / AMENDT, J. / BERNHARDT, V. / PASQUERAULT, T. / LINDSTRÖM, A. / PEROTTI, M.A. (2020): Mites (Acari) as a relevant tool in trace evidence and postmortem analyses of buried corpses. - J. Forensic Sci. 65,6: 2174-2183
- RAMOS, D.G.S. / MASCARENHAS, C.S. / BRAGA, I.A. / MELO, A.L.T. / OLIVEIRA, P.G. / SATURNINO, K.C. / SINKOC, A.L. / AGUIAR, D.M. / PACHECO, R.C. (2020): Phoretic mites (*Rhinoseius* spp.) in Apodiformes from Cerrado and Pantanal Biomes in midwestern Brazil. - Braz. J. Biol. 80,4: 798-802
- REVYNTHI, A.M. / VAN POL, K.E. / JANSEN, A. / EGAS, M. (2020): Males cannibalise and females disperse in the predatory mite *Phytoseiulus persimilis*. - Exp. Appl. Acarol. 82,2: 185-198
- RIPKA, G. / KIRÁLY, G. / SZABÓ, A. (2020): Eriophyoid (Acariformes, Eriophyoidea) and phytoseiid (Parasitiformes, Phytoseiidae) mite fauna of selected *Rubus* taxa (Rosaceae) with re-description of *Anthocoptes rubicolens* Roivainen and *Epitrimerus rubi* (Domes). - Acta Phytopathol. Entomol. Hung. 55,2: 167-192
- ROBERTS, J.M.K. / SIMBIKEN, N. / DALE, C. / ARMSTRONG, J. / ANDERSON, D.L. (2020): Tolerance of honey bees to *Varroa* mite in the absence of deformed wing virus. - Viruses 12,5: 575; 12 pp.; DOI: 10.3390/v12050575
- RODRIGUEZ, A. / YADRO, C.A. / PEREZ, A. / INVERNIZZI, C. / TOMASCO, I. (2020):* Characterization of *Varroa destructor* mites in Cuba using mitochondrial and nuclear markers. - J. Apic. Sci. 64,2: 335-343
- SABAHI, Q./ MORFIN,N. / EMSEN, B. / GASHOUT, H.A. / KELLY, P.G./ OTTO, S./ MERRILL, A.R./ GUZMAN-NOVAE, E. (2020): Evaluation of dry and wet formulations of oxalic acid, thymol, and oregano oil for *Varroa* mite (Acari, Varroidae) control in honey bee (Hymenoptera, Apidae) colonies. - J. Econ. Entomol. 113,6: 2588-2594
- SAN, P.P. / TUDA, M. / NAKAHIRA, K. / TAKAGI, M. (2020): Optimal rearing medium for the population growth of the predatory mite, *Amblyseius swirskii* (Athias-Henriot) (Acari: Phytoseiidae). - Egypt. J. Biol. Pest Control 30: 130; 5 pp.; DOI: 10.1186/s41938-020-00332-y
- SARGISON, N.D. / JACINAVICIUS, F.C. / FLEMING, R.H. / CHAUDHRY, U.N. / COSTA-JUNIOR, L.M. (2020):* Investigation of a gamasid mite infestation in a UK textile mill caused by *Dermanyssus gallinae* (DeGeer, 1778) (Mesostigmata, Dermanyssidae) special lineage L1. - Parasitol. Intern. 78: 102146; DOI: 10.1016/j.parint.2020.102146
- SCHAUSBERGER, P. / SEITER, M. / RASPBONIG, G. (2020):* Innate and learned responses of foraging predatory mites to polar and non-polar fractions of thrips' chemical cues. - Biol. Contr. 151: 104371; DOI: 10.1016/j.biocontrol.2020.104371
- SCHOELLER, E.N./ MCKENZIE, C.L./ OSBORNE, L.S. (2020): Comparison of the phytoseiid mites *Amblyseius swirskii* and *Amblydromalus limonicus* for biological control of chilli thrips, *Scirtothrips dorsalis* (Thysanoptera, Thripidae). - Exp. Appl. Acarol. 82,3: 309-318
- SENICZAK, A. / SENICZAK, A. / SCHWARZFELD, M.D. / COULSON, S.J. / GWIAZDOWICZ, D.J. (2020): Diversity and distribution of mites (Acari: Ixodida, Mesostigmata, Trombidiformes, Sarcoptiformes) in the Svalbard Archipelago. - Diversity 12,9: 323; 31 pp.; DOI: 10.3390/d12090323
- SHRESTHA, M. / WEGENER, J. / GAUTAM, I. / SINGH, M. / SCHWEKENDIEK, C. / BIENEFIELD, K. (2020): Individual-level comparisons of honey bee (Hymenoptera, Apoidea) hygienic behavior towards Brood infested with *Varroa destructor* (Parasitiformes, Varroidae) or *Tropilaelaps mercedesae* (Mesostigmata, Laelapidae). - Insects 11,8: 510; 11 pp.; DOI: 10.3390/insects11080510
- SILVA, J.F. / PEREIRA, J.M. / SILVA ROCHA, C.B. / PERES, A.J.A. / LIMA, E.L. DE / DAUD, R.D. (2020): Composition and abundance of mites (Arachnida: Acariformes:

- Parasitiformes) on *Hancornia speciosa* Gomes varieties. - Intern. J. Acarol. 46,5: 394-400
- SILVA, R.T.L. DA / SILVA, V.L. DA / SILVA, D.E. / DO NASCIMENTO, J.M. / SCHÜSSLER, M. / SPIES, F.F. / WINTER BERTE, A.L. / LIVA, G.L. DA / JOHANN, L. / FERLA, J.J. / FREITAS, E.M. DE / FERLA, N.J. (2020): Bioecological aspects of mites associated with *Vitis vinifera* varieties in the state of Rio Grande Do Sul, Brazil. - Syst. Appl. Acarol. 25,9: 1618-1642
- SOLTANIYAN, A./KHERADMAND, K./FATHIPOUR, Y./SHIRDEL, D. (2020):* Supplementation of natural prey with pollen grains exerts an influence on the life table parameters of *Neoseiulus californicus*. - Bull. Entomol. Res. 110,4: 535-541; DOI: 10.1017/S000748532000005X
- SOULIÉ, A.-S. / SLEEKX, N. / Roy, L. (2020): Repellent properties of natural substances against *Dermanyssus gallinae*: review of knowledge and prospects for Integrated Pest Management. - Acarologia 61,1: 3-19
- SOUSA NETO, E.P. DE/MENDES, J. DEA./FILGUEIRAS, R.M.C. / LIMA, D.B. / GUEDES, R.N.C. / MELO, J.W.S. (2020): Effects of acaricides on the functional and numerical responses of the phytoseid predator *Neoseiulus idaeus* (Acari, Phytoseiidae) to spider mite eggs. - J. Econ. Entomol. 113,4: 1804-1809
- SPARAGANO, O.A.E. / GEORGE, D.R. / FINN, R.D. / GIAN-GASPERO, A. / BARTLEY, K. / Ho, J. (2020): *Dermanyssus gallinae* and chicken egg production: impact, management, and a predicted compatibility matrix for integrated approaches. - Exp. Appl. Acarol. 82,4: 441-453
- TACOLI, F. / CARGNUS, E. / ZANDIGIACOMO, P. / PAVAN, F. (2020): Side effects of sulfur dust on the european grapevine moth *Lobesia botrana* and the predatory mite *Kampimodromus aberrans* in vineyards. - Insects 11,11: 825; 13 pp.; DOI: 10.3390/insects11110825
- TAHA, A.A. / ABO-LILA, A.S. / ABOU EL-ATTA, D.A. (2020): Strengthen of the defense behavior in honey bee colonies (*Apis mellifera* L.) against *Varroa* mite (*Varroa destructor* Anderson & Trueman) using volatile oils under arid regions conditions. - Egypt. Acad. J. Biol. Sci., A. Entomol. 13,3: 27-35
- TELLEZ, M.M. / CABELLO, T. / GAMEZ, M. / BURGUULLO, F.J. / RODIGUEZ, E. (2020):* Comparative study of two predatory mites *Amblyseius swirskii* Athias-Henriot and *Transeius montdorensis* (Schicha) by predator-prey models for improving biological control of greenhouse cucumber. - Ecol. Modell. 431: 109197; DOI: 10.1016/j.ecolmodel.2020.109197
- TEMPLE, D. / MANTECA, X. / ESCRIBANO, D. / SALAS, M. / MAINAU, E. / ZSCHIESCHE, E. / PETERSEN, I. / DOLZ, R. / THOMAS, E. (2020): Assessment of laying-bird welfare following acaricidal treatment of a commercial flock naturally infested with the poultry red mite (*Dermanyssus gallinae*). - Plos One 15,11: e0241608; 16 pp.; DOI: 10.1371/journal.pone.0241608
- TEODOROWICZ, E./GWIAZDOWICZ, D.J.(2020):Description of *Ameroseius ulmi* male (Acari, Ameroseiidae) with a key to males of European species of the genus *Ameroseius*. - Intern. J. Acarol. 46,7: 524-529
- THIÉVENT, K. / SZENTIVÁNYI, T. / AEBY, S. / GLAIZOT, O. / CHRISTE, P. / GREUB, G. (2020): Presence and diversity of *Chlamydiae bacteria* in *Spinturnix myoti*, an ectoparasite of bats. - Parasite 27: 54; 8 pp.; DOI: 10.1051/parasite/2020052
- TIFTIKCI, P./KÖK, S./KASAP, I.(2020):* Biological control of twospotted spider mites [*Tetranychus urticae* Koch (Acari, Tetranychidae)] using *Phytoseiulus persimilis* Athias-Henriot (Acari, Phytoseiidae) at different ratios of release on field-grown tomatos. - Biol. Contr. 151: 104404; DOI: 10.1016/j.biocontrol.2020.104404
- TIXIER, M.-S. / DOUIN, M. / ROCIO, O. / GONZALEZ, L. / POUNT, B. / KREITER, S. (2020): Distribution and biological features of *Typhlodromus (Anthoseius) recki* (Acari, Phytoseiidae) on *Tetranychus urticae*, *T. evansi* (Acari, Tetranychidae) and *Aculops lycopersici* (Acari, Eriophyidae). - Acarologia 60,4: 684-697
- TRAYNOR, K.S. / MONDET, F. / DE MIRANDA, J.R. / TECHER, M. / KOWALLIK, V. / ODDIE, M.A.Y. / CHANTAWANNAKUL, P. / McAFFEE, A. (2020): *Varroa destructor*: a complex parasite, crippling honey bees worldwide. - Trends Parasit. 36,7: 592-606; DOI: 10.1016/j.pt.2020.04.004
- TSOLAKIS, H. / RAGUSA, S. (2020): New records of phytoseiid mites from Italy, with description of a new species and a redescription of other two (Parasitiformes, Phytoseiidae). - Acarologia 60,4: 735-752
- UECKERMAN, E.A./DEMORAES, G.J./CHILDERS, C.C. (2020): A new *Euseius* species on citrus and wild lime, *Zanthoxylum fagara* (Rutaceae), in Florida and an updated key to *Euseius* species from the

- state. - Acarologia 60,4: 863-871**
- ULRICHS, C. / HAN, Y.J. / ABDELHAMID, M.T. / MEWIS, I. (2020): Management of the poultry red mite, *Dermanyssus gallinae*, using silica-based acaricides. - *Exp. Appl. Acarol.* 82,2: 243-254
- URBANEJA-BERNAT, P. / JAQUES, J.A. (2020): Effect of pollen provision on life-history parameters of phytoseiid predators under hot and dry environmental conditions. - *J. Appl. Entomol.* 145,3: 191-205
- URHAN, R. / DURAN, E.H. / KARACA, M. (2020): Three new species of *Zercon* C. L. Koch (Acari, Zerconidae) from the Coastal Aegean Section of Turkey. - *J. Nat. Hist.* 54,35-36: 2323-2341**
- URHAN, R./KARACA, M.(2020): Firstfinding of *Prozercon bulgariensis* Ujvári, 2013 (Acari, Zerconidae) from Turkey. - *Intern. J. Sci. Technol. Res.* 6,7: 91-97
- VINARSKI, M.V. / KORALLO-VINARSKAYA, N.P. (2020): An annotated catalogue of the gamasid mites associated with small mammals in Asiatic Russia. The family Hirstonyssidae (Acari: Mesostigmata: Gamasina). - *Zootaxa* 4838 (1): 102-118
- VU, P.D. / RAULT, L.C. / JENSON, L.J. / BLOOMQUIST, J.R. / ANDERSON, T.D. (2020):* Voltage-gated chloride channel blocker DIDS as an acaricide for *Varroa* mites. - *Pest. Biochem. Physiol.* 167: 104603; DOI: 10.1016/j.pestbp.2020.104603
- WAAP, H. / AGUIN-POMBO, D. / MAIA, M. (2020): Case report: *Human dermatitis* linked to *Ornithonyssus bursa* (Dermanyssoidea, Macronyssidae) infestation in Portugal. - *Front. Veter. Sci.* 7: 567902; 6 pp.; DOI: 10.3389/fvets.2020.567902
- WANG, S. / LIN, Z. / CHEN, G. / PAGE, P. / HU, F. / NIU, Q. / SU, X. / CHANTAWANNAKUL, P. / NEUMANN, P. / ZHENG, H. / DIETEMANN, V. (2020): Reproduction of ectoparasitic mites in a coevolved system: *Varroa* spp. - Eastern honey bees, *Apis cerana*. - *Ecol. Evol.* 10,24: 14359-14371
- WITALINSKI, W. (2020): New *Leptogamasus* mite species (Parasitiformes, Parasitidae) from Europe. I. Poland. - Acarologia 60,4: 698-721**
- WU, J. / ELSHEIKHA, H.M. / TU, Y. / GETACHEW, A. / ZHOU, H. / ZHOU, C. / XU, S. (2020): Significant transcriptional changes in mature daughter *Varroa destructor* mites during infestation of different developmental stages of honeybees. - *Pest Manag. Sci.* 76: 2736-2745
- XU, X.L. / WANG, C.W. / HUANG, Y. / ZHANG, S.D. / YU, H. / MENG, J.L. / PAN, B.L. (2020):* Evaluation of the vaccine efficacy of three digestive protease antigens from *Dermanyssus gallinae* using an in vivo rearing system. - *Vaccine* 38,49: 7842-7849
- YANG, P. / LI, J.-P. / BAI, X.-L. / SHI, J.-P. / WU, Y.-N. (2020):* A new species of *Sinoseius* from Ningxia, China (Acari: Ameroseiidae). - *Acta Arachnol. Sin.* 29,1: 43-45**
- YAO, M.-Y. / YI, T.-C. / GUO, J.-J. / JIN, D.-C. (2020): Description of the male and female adults of *Parasitus quadrichaetus* (Parasitiformes, Parasitidae), with specific status revision. - *Intern. J. Acarol.* 46,6: 452-463
- YAO, M.-Y./YI, T.-C./JIN, D.-C./GUO, J.-J.(2020):Anew species of *Psilogamasus* Athias-Henriot, 1969 from China and redefinition of the genus (Parasitiformes, Parasitidae). - *Acarologia* 60,4: 831-841**
- ZHANG, N. / XIE, L. / WU, X. / LIU, K. / LIU, C. / YAN, Y. (2020): Development, survival and reproduction of a potential biological control agent, *Lasioseius japonicus* Ehara (Acari, Blattisociidae), on eggs of *Drosophila melanogaster* (Diptera, Drosophilidae) and *Sitotroga cerealella* (Lepidoptera, Gelechiidae). - *Syst. Appl. Acarol.* 25,8: 1461-1471
- ZHANG, Z.-Q. / FUANGARWORN, M. / FAN, Q.-F. / YI, T.-C. (EDS.) (2020): Ontogeny and morphological diversity in immature mites (Part IV). - *Zootaxa* 4900 (1): 1-200
- ZHANG, Z.-Q. / FUANGARWORN, M. / SEEMAN, O. (EDS.) (2020): Ontogeny and morphological diversity in immature mites (Part III). - *Zootaxa* 4857 (1): 1-250
- ZIKIC, B. / ALEKSIC, N. / RISTANIC, M. / GLAVINIC, U. / VEJNOVIC, B. / KRNIJAIC, I. / STANIMIROVIC, Z. (2020): Anti-*Varroa* efficiency of coumaphos and its influence on oxidative stress and survival of honey bees. - *Acta Veter. - Beograd* 70,3: 355-373
- ZRIKI, G. / BLATRIX, R. / ROY, L. (2020): Predation interactions among henhouse-dwelling arthropods, with a focus on the poultry red mite *Dermanyssus gallinae*. - *Pest Manag. Sci.* 76,11: 3711-3719

Publications, additions 2019

- AHMED, N. (2019): Compatibility of *Phytoseiulus persimilis* with *Isaria fumosorosea* against two-spotted spider mites (*Tetranychus urticae*) on soybean. - Egypt. Acad. J. Biol. Sci., A. Entomol. 12,5: 69-79
- BEAUREPAIRE,A./SANN,C./ARREDONDO,D./MONDET,F./LE CONTE, Y. (2019): Behavioral genetics of the interactions between *Apis mellifera* and *Varroa destructor*. - Insects 10,9: 299; 13 pp.; DOI: 10.3390/insects10090299
- DE GUZMAN, L.I. / SIMONE-FINSTROM, M. / FRAKE, A.M. / TOKARZ, P. (2019): Comb irradiation has limited, interactive effects on colony performance or pathogens in bees, *Varroa destructor* and wax based on two honey bee stocks . - Insects 10,1: 15; 20 pp.; DOI: 10.3390/insects10010015
- JI, H. / LIU, M.-X. / ZHANG, Y. / KUANG, Z.-Y. / WEI, L. / GE, C.-B. / LI, Y.-Y. / LIU, H. (2019): Response to multiple stressors: enhanced tolerance of *Neoseiulus barkeri* Hughes (Acari, Phytoseiidae) to heat and desiccation stress through acclimation. - Insects 10,12: 449; 13 pp.; DOI: 10.3390/insects10120449
- KARACA, M. / URHAN, R. (2019): Species list of zerconid mites (Acari: Mesostigmata, Zerconidae) of Czech Republic. - Proc. 5th Intern. Conf. Eng. Natural Sci., Prague, 12-16 June 2019: 36-40
- KHONGPHINITBUNJONG,K./CHANTAWANNAKUL,P./YANEZ, O. / NEUMANN, P. (2019): Survival of ectoparasitic mites *Tropilaelaps mercedesae* in association with honeybee hive products. - Insects 10,2: 36; 4 pp.; DOI: 10.3390/insects10020036
- LI, W. / WANG, C. / HUANG, Z.Y. / CHEN, Y. / HAN, R. (2019): Reproduction of distinct *Varroa destructor* genotypes on honey bee worker brood. - Insects 10,11: 372; 13 pp.; DOI: 10.3390/insects10110372
- PRASANTHI, G. / KUMAR, N.G. / GURU PIRASANNA PANDI, G. / BASANA GOWDA, G. / PATIL, N.K.B. (2019): Relative abundance of soil fauna in organic farming with soybean. - Indian J. Entomol. 81,4: 950-953
- URHAN, R. / DURAN, E.H./KARACA, M. (2019): *Prozercon sellnicki* Halasková, 1963: A new record of zerconid mites (Acari, Zerconidae) for the Turkish fauna. - Intern. J. Sci. Technol. Res. 5,12: 260-264
- URHAN, R. / KARACA, M. / DURAN, E.H. / AKSU, B. / BILKI, K. (2019): A new record of the family Zerconidae (Acari: Mesostigmata) from Turkey: *Prozercon rekaae* Ujvári, 2008. - Proc. 5th Intern. Conf. Eng. Natural Sci., Prague, 12-16 June 2019: 100-104
- ZHAO, Y. / HEERMAN, M. / PENG, W. / EVANS, J.D. / ROSE, R./DEGRANDI-HOFFMAN, G./SIMONE-FINSTROM,M./LI, J. ET AL. (2019): The dynamics of deformed wing virus concentration and host defensive gene expression after *Varroa* mite parasitism in honey bees, *Apis mellifera*. - Insects 10,1: 16; 19 pp.; DOI: 10.3390/insects10010016
- Publications, additions 2018**
- AFAF, A.A. / ABD-EL WAHAB, A.H. / NAEMA, A.A. / SAWSAN, M.A. / MOHAMMED, E.M. (2018): Impact of biotic and abiotic factors on the population dynamics of *Bemisia tabaci* (Genn.) and *Tetranychus urticae* (Koch) infested tomato plant *Lycopersicon esculentum* L. at kafr El sheikh Governorate. - Egypt. Acad. J. Biol. Sci., A. Entomol. 11,4: 41-50
- BERON, P. (2018): Zoogeography of Arachnida. In: DUMONT, H.J. (Ed.): Monographiae Biologicae. - Springer Intern. Publ. AG 94: 1005 pp.
- DOUSTARESHARAF, M.M. / KARACA, M. / BAGHERI, M. / URHAN, R. (2018): A new record of mesostigmatid mites (Acari, Zerconidae) for the Iranian fauna: *Zercon ozkani* Urhan & Ayyildiz, 1994. - Abstr. 4th Intern. Symp. Euroasian Biodivers., Kiev, 3-6 July 2018: 240
- GILL, N.K. / DHALIWAL, A.K. (2018): Seasonal variation of allergenic acarofauna from the homes of allergic rhinitis and asthmatic patients. - J. Med. Entomol. 55,2: 262-268
- HUSSIAN, N.A.H. / EL-SHARABASY, H.M. / ABOGHALIA, A.H. / SOLIMNA, M.F.M. (2018): Mites inhabiting some fruit trees in Ismailia Governorate. - Egypt. Acad. J. Biol. Sci., A. Entomol. 11,4: 73-81
- HUSSIAN, N.A.H. / EL-SHARABASY, H.M. / ABOGHALIA, A.H. / SOLIMNA, M.F.M. (2018): Population fluctuations of the phytophagous mite, *Oligonychus mangiferus* and

- its predator on Mango trees in Ismailia Governorate, Egypt. - Egypt. Acad. J. Biol. Sci., A. Entomol. 11,4: 83-88
- KARACA, M. (2018): Species list of zerconids (Acari, Zerconidae) of Turkey. - Abstr. Intern. Symp. Multidiscipl. Stud., Paris, 26-27 April 2018: 139
- KARACA, M. / URHAN, R. (2018): First record of males of *Zercon montanus* from Turkey (Acari, Zerconidae). - Abstr. Intern. Ecology 2018 Symp., Kastamonu, 19-23 June 2018: 905
- KARACA, M./URHAN, R.(2018): Amite(Acari,Zerconidae) species recorded from Erdek: *Zercon marinae* Ivan & Calugar, 2004. - Proc. Intern. Symp. Bandirma and its Surroundings, Balikesir, 17-19 September 2018: 297-311
- KARACA, M. / URHAN, R. (2018): Zerconid mites (Acari, Zerconidae) of Turkish Thrace, with some ecological preferences of the species. - Abstr. Intern. Ecology 2018 Symp., Kastamonu, 19-23 June 2018: 363
- KARACA, M. / URHAN, R. / AHADİYAT, A. (2018): Species list of the Iranian Zerconidae (Acari: Mesostigmata). - Abstr. 4th Intern. Symp. Euroasian Biodivers., Kiev, 3-6 July 2018: 76
- KARACA, M. / URHAN, R. / DURAN, E.H. / KIZILKAYA, E. (2018): Gamasid mites (Acari) of the Honaz District (Denizli/Turkey). - Abstr. Intern. Ecology 2018 Symp., Kastamonu, 19-23 June 2018: 738
- SIEGERT, M.K. / DA SILVA, G.L. / TOLDI, M. / JOHANN, L. / FERLA, N.J. (2018): Assessment on abiotic factors and the presence of storage mites in an animal feed factory. - Syst. Appl. Acarol. 23,11: 2317-2330
- SIEPEL, H. / CREMERS, H. / DIMMERS, W. / LOOMANS, A. / VIERBERGEN, B. (2018): Checklist of the mesostigmatic mites of the Netherlands (Acari: Mesostigmata). - Nederl. Faun. Mededel. 51: 115-188
- URHAN, R. / AKSU, B. (2018): An overview of soil mites (Acari) in Nazilli District Center, Aydin-Turkey. - Abstr. Intern. Ecology 2018 Symp., Kastamonu, 19-23 June 2018: 145
- URHAN, R./BULUT,D.R./KARACA,M./DURAN,E.H./AKSU, B. / KASSEN, Z. / KARACA, G. (2018): First records of nymphs of *Zercon emirdagicus* Urhan, Duran & Karaca, 2016 from Turkey. - Abstr. 4th Intern. Symp. Euroasian Biodivers., Kiev, 3-6 July 2018: 190
- URHAN, R. / BULUT, D.R. / KARACA, M. / DURAN, E.H. / KASSEN, Z. / AKSU, B. (2018): A new record of genus *Zercon* (Acari, Zerconidae) for Turkish fauna: *Zercon saphenus* Błaszkak, 1979. - Abstr. 4th Intern. Symp. Euroasian Biodivers., Kiev, 3-6 July 2018: 111
- URHAN, R./DURAN, E.H./KARACA, M.(2018):The diversity of zerconid mites (Acari, Zerconidae) in Akdag National Park (Denizli / Turkey). - Intern. J. Scient. Technol. Res. 4,10: 509-517
- URHAN, R./KARACA, M./DURAN, E.H./AKSU, B./KASSEN, Z. (2018): First records of nymphs of *Zercon afyonensis* Urhan & Duran, 2017 from Turkey. - Abstr. 4th Intern. Symp. Euroasian Biodivers., Kiev, 3-6 July 2018: 293
- URHAN, R. / KARACA, M. / KATILMIŞ, Y. (2018): First records of male and deutonymph of *Prozercon boyacii* from Turkey. - Abstr. 4th Intern. Symp. Euroasian Biodivers., Kiev, 3-6 July 2018: 320
- YASSIN, E.M.A./OSMAN, S.A.A./RAHOUMA, A.K.A. (2018): Occurrence of different mites associated with different cereals and legumes crops in different locations of Egypt. - Egypt. Acad. J. Biol. Sci., A. Entomol. 11,4: 51-58

Publications, additions 2017

- ABD EL-RAHMAN, H.A. (2017): The effect of magnetic force and magnetic water on behavior and population of *Tetranychus urticae* and *Euseius scutalis* on soybean in the laboratory and field. - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,7: 107-115
- ADEL,M.M./SAKR,H.H./YASSIN,E.M.A./ABDEL-KHALIK, A.R. (2017): Laboratory studies on the mesostigmatid mites *Androlaelaps aegypticus* (Laelapidae) and *Proctolaelaps gizanensis* (Ascidae) on three mite pests at different conditions. - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,4: 63-70
- AKSU, B. / KARACA, M. / DURAN, E.H. / URHAN, R. (2017): Mesostigmatid mites (Acari: Mesostigmata) of park and garden areas of Nazilli District Center (Aydin / Turkey). - Abstr. Ecology 2017 Intern. Symp., Kayseri, 11-13 May 2017: 675
- AMRO, M.A.M. / AMRO, A.M.A. (2017): A review about the role of hygienic behavior as a defense mechanism of honey bee against the parasitic mites and diseases. - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,7: 51-64

- DURAN, E.H. / KARACA, M. / URHAN, R. (2017): Altitude and habitat preferences of zeronid mites (Acari, Zerconidae) in Kütahya province (Turkey). - Abstr. Ecology 2017 Intern. Symp., Kayseri, 11-13 May 2017: 427
- DURAN, E.H. / URHAN, R. / KARACA, M. (2017): Altitude and habitat preferences of zeronid mites (Acari, Zerconidae) in Afyonkarahisar Province (Turkey). - Abstr. 3rd Symp. Euroasian Biodivers., Minsk, 5-8 July 2017: 454
- ELHALAWANY, A.S. / DEWIDAR, A.A. (2017): Efficiency of some plant essential oils against the two-spotted spider mite, *Tetranychus urticae* Koch and the two predatory mites *Phytoseiulus persimilis* (A.-H.), and *Neoseiulus californicus* (McGregor). - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,7: 135-147
- EL-SHARABASY, H.M. / SALWA, M.E.S. / SAMAH, M.Y.H. (2017): A study on the biology of predatory mite, *Euseius scutalis* (Athias-Henriot) (Acari, Phytoseiidae) feeding on black scale insect, *Parlatoria ziziphi* (Lucas) (Homoptera, Diaspididae). - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,1: 71-75
- GECIT, H. / ÖZBEK, H.H. (2017): A newly recorded phoretic mite species from Bayburt Province, Turkey: *Neopodocinum meridionalis* (Acari, Macrochelidae). - Abstr. Ecology 2017 Intern. Symp., Kayseri, 11-13 May 2017: 23
- HAJIZADEH, J./MORTAZAVI,S./BALOOCH-SHAHRIARI,N. / CASTILHO, R.C. (2017): A new species of the genus *Indutolaelaps* (Mesostigmata, Leptolaelapidae) from Iran. - Linzer biol. Beitr. 49,1: 669-676
- HASSAN, D.M.A. / MIKHAIL, W.Z.A. / RIZK, M.A. / SOBHY, H.M. / NADA, M.S. (2017): Evaluate the feeding preference of some predator mites towards red spider mites untreated and treated with *Beauveria bassiana*. - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,5: 11-20
- HASSAN, D.M.A. / RIZK, M.A. / SOBHY, H.M. / MIKHAIL, W.Z.A./NADA,M.S.(2017): Virulent entomopathogenic fungi against the two-spotted spider mite *Tetranychus urticae* and some associated predator mites as non target organisms. - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,6: 37-56
- KARACA, M./DURAN, E.H./KARACA, G./URHAN, R.(2017): A preliminary study on some ecological preferences of Zerconid mites (Acari, Zerconidae) of Gelibolu Peninsula (Çanakkale/Turkey). - Abstr. Ecology 2017 Intern. Symp., Kayseri, 11-13 May 2017: 413
- KARACA, M./DURAN, E.H./KARACA, G./URHAN, R.(2017): The diversity of zeronid mites (Acari, Zerconidae) of Thrace region (Northwestern Turkey) II. - Abstr. Ecology 2017 Intern. Symp., Kayseri, 11-13 May 2017: 340
- KARACA, M./DURAN, E.H./URHAN, R./KARACA, G.(2017): First records of nymphs of *Prozercon carpathofimbriatus* (Acari, Zerconidae) in Turkey. - Abstr. 3rd Symp. Euroasian Biodivers., Minsk, 5-8 July 2017: 680
- KARACA, M. / URHAN, R. / DURAN, E.H. / KIZILKAYA, E. (2017): Endemic zeronid mites of Turkey (Acari: Mesostigmata, Zerconidae). - Abstr. 3rd Intern. Congr. Zool. Technol., Afyonkarahisar, 12-15 July 2017: 32
- KARACA, M. / URHAN, R. / DURAN, E.H. / KIZILKAYA, E. (2017): Zerconid mites (Acari, Zerconidae) recorded from Denizli Province (Turkey). - Abstr. 3rd Symp. Euroasian Biodivers., Minsk, 5-8 July 2017: 42
- MEAD, H.M. / AL-SHANNAF, H.M.H. / KHEDR, M.A. / MOHAMED, O.M.O./DARWESH,A.E.I.(2017):Response of some cotton varieties to infestation of two spotted spider mite, *Tetranychus urticae* Koch (Acari, Tetranychidae) and the predator, *Euseius scutalis* (Athias-Henriot) El-Badry (Acari Phytoseiidae) in relation with its chemical composition. - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,7: 117-125
- MOSTAFA, A.M. / IBRAHIM, W.L.F. / ABOU EL-NOUR, B.M. / YASSIN, E.M.A. / ABOU EL-EINIEN, N.F.E. (2017): Occurrence of fungivorous mites in different habitats at Dakahlia Governorate. - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,5: 53-58
- MOSTAFA, A.M. / IBRAHIM, W.L.F. / ABOU EL-NOUR, B.M. / YASSIN, E.M.A. / ABOU EL-EINIEN, N.F.E. (2017): Notes on the biological aspects of the fungivorous mites *Proctolaelaps pygmaeus* (Müller) (Mesostigmata, Ascidae) and *Glycyphagus ornatus* (Astigmata, Glycyphagidae) feeding on different fungi at different temperature degrees. - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,5: 45-52
- SAHIN, G. / ÖZBEK, H.H. (2017): A newly recorded mesostigmatic mite species from North-Eastern Turkey: *Pachylaelaps pectinifer* (Acari, Pachylaelapidae). - Abstr. Ecology 2017 Intern. Symp., Kayseri, 11-13 May 2017: 22
- URHAN, R. / DURAN, E.H. / KARACA, M. (2017): Systematic studies on zeronid mites (Acari, Zerconidae) in Inner Aegean Region of Turkey - IV. - Abstr. Ecology 2017

- Intern. Symp., Kayseri, 11-13 May 2017: 785
- URHAN, R. / DURAN, E.H. / KARACA, M. (2017): Final report for systematic studies on zeronid mites (Acari, Zerconidae) in Inner Aegean Region of Turkey. - Abstr. 3rd Symp. Euroasian Biodivers., Minsk, 5-8 July 2017: 30
- YASSIN, E.M.A. / ABD EL-KHALIK, A.R. / EL-SEBAAY, M.M. / OSMAN, S.A. (2017): Studies on biology of ascid mite, *Blattisocius keegani* (Acari: Gamasida, Ascidae) when fed on two astigmatid mites at different laboratory conditions. - Egypt. Acad. J. Biol. Sci., A. Entomol. 10,3: 35-41
- KARACA, M. / URHAN, R. / DURAN, E.H. / KIZILKAYA, E. (2016): Altitude and habitat preferences of Zeronid mites (Acari, Zerconidae) in Kirkclareli Province. - Abstr. 2nd Symp. Euroasian Biodivers., Antalya, 23-27 May 2016: 80
- KARACA, M. / URHAN, R. / DURAN, E.H. / KIZILKAYA, E. (2016): Some ecological preferences of Zeronid mites (Acari, Zerconidae) in Edirne Province (Northwestern Turkey). - Abstr. Intern. Conf. Biol. Sci., Konya, 21-23 October 2016: 183
- KARACA, M. / URHAN, R. / DURAN, E.H. / KIZILKAYA, E. (2016): * Altitude and habitat preferences of Tekirdağ zeronids (Acari, Zerconidae). - Abstr. 23rd Nat. Biol. Congr., Gaziantep, 5-9 September 2016: 203

Publications, additions 2016

- ABDEL-AZEIM, N.A.I. / ABOLMAATY, S.M. / ABDEL-AZEIM, M.A.I. / YASSIN, E.M.A. (2016): Effect of different fertilization types on the population dynamics of mites inhabiting soil underneath cotton plants in Giza Governorate, Egypt. - Egypt. Acad. J. Biol. Sci., A. Entomol. 9,2: 83-88
- BASMA, M. ABOU EL-NOUR (2016): Effect of some ecological studies on *Tetranychus urticae* Koch and its predator *Neoseiulus californicus* on two medicinal and aromatic plants. - Egypt. Acad. J. Biol. Sci., A. Entomol. 9,3: 75-84
- ISMAIL, M.S.M. / ELZOHERY, N.A. / GHALLAB, M.M.A. (2016): Seasonal abundance of *Brevipalpus phoenicis* (Acari, Tenuipalpidae) and its predators and their effects on *Gerbera jamesonii* morphology. - Egypt. Acad. J. Biolog. Sci., A. Entomol. 9,4: 129-140
- JEREB, M. / WEIHRAUCH, F. (2016): Einsatz und Etablierung von Raubmilben zur nachhaltigen Spinnmilbenkontrolle in der Sonderkultur Hopfen. - Bundesprogr. Ökol. Landbau u. anderer Formen nachhaltiger Landwirtschaft (FKZ: 12NA014): 62 pp.
- NOURAN, A.A.O. (2016): Ecological studies of some mites and associated predaceous mites on eggplant at Giza, Governorate. - Egypt. Acad. J. Biol. Sci., A. Entomol. 9,3: 85-92
- URHAN, R. / DURAN, E.H. / KIZILKAYA, E. / KARACA, M. (2016): Systematic studies on Zeronid mites (Acari, Zerconidae) in Inner Aegean Region of Turkey - III. - Abstr. 2nd Symp. Euroasian Biodivers., Antalya, 23-27 May 2016: 73
- URHAN, R. / DURAN, E.H. / KIZILKAYA, E. / KARACA, M. (2016): * A new *Prozercon* species (Acari, Zerconidae) for the Turkish fauna: *Prozercon plumosus* Ivan & Calugar, 2004. - 23rd Nat. Biol. Congr., Gaziantep, 5-9 September 2016: 461

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:

Olypachys masani Hajizadeh & Hosseini, 2020 (Page: 531¹) – TYPES: HT² + PT² - ALUG³, PT² - JAZM³

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

of Entomology and Plant Pathology, Faculty of Agriculture, Attasopa, Korrawat, Thailand

CNC - Canadian National Collection of Insects, Arachnids and Nematodes, Ottawa, Canada

CUMZ - Chulalongkorn University Museum of Zoology, Bangkok, Thailand

DBPU - Department of Biology of Pamukkale University, Denizli, Turkey

ESALQ/USP - Escola Superior de Agricultura “Luiz de Queiroz”, Universidade de São Paulo, Departamento de Entomologia e Acarologia, Piracicaba, Brazil

GIABR - Guangdong Institute of Applied Biological Resources, Guangzhou, China

GUGC - Guizhou University, Institute of Entomology, Guiyang, Guizhou, China

ICN - Instituto de Ciencias Naturales de la Universidad Nacional de Colombia, Bogotá, Colombia

ISEA - Zoological Museum, Institute of Systematics and Ecology of Animals, Novosibirsk, Russia

Abbreviations of the places of storage of new types

ACISTE - Acarological Collection, Institute of Science and High Technology and Environmental Sciences, Graduate University of Advanced Technology, Kerman, Iran

AEZIU - Laboratory of Applied Entomology and Zoology, Ibaraki University, Ibaraki, Japan

ALCU - Acarology Laboratory, Department of Plant Protection, Çukurova University, Adana, Turkey

ALUG - Acarology Laboratory, Department of Plant Protection, University of Guilan, Guilan, Iran

AMU - Adam Mickiewicz University, Natural History Collections, Faculty of Biology, Poznań, Poland

ANIC - Australian National Insect Collection, CSIRO Division of Entomology, Canberra, Australia

BMNH - British Museum of Natural History, Department of Entomology, London, United Kingdom

CBG - Centre for Biodiversity Genomics, University of Guelph, Ontario, Canada

CIUQ - Colección de Insectos de la Universidad del Quindío, Armenia, Colombia

CMU - Chiang Mai University, Collection at Department

JAZM - Jalal Afshar Zoological Museum, Acarological Collection, University of Tehran, Karaj, Iran

MHNG - Muséum d'Histoire Naturelle, Genève, Switzerland

MM - Manchester Museum, Manchester, United Kingdom

MNCN - Museo Nacional de Ciencias Naturales, Madrid, Spain

MUSM - Museo de Historia Natural, Universidad Nacional Mayor de San Marcos, Lima, Peru

NCA-PPRI - South Africa National Collection of Arachnida (Acari), Plant Protection Research Institute, Pretoria, South Africa

NCHU - Department of Entomology, National Chung Hsing University, Taichung, Taiwan

NECJU - Nature Education Centre, Jagiellonian University,

Kraków, Poland	UNESP - <u>UN</u> iversidade <u>E</u> stadual <u>P</u> aulista, Campus de Sao José do Rio Preto, Sao Paulo, Brazil
NHML - <u>N</u> atural <u>H</u> istory <u>M</u> useum, Department of Entomology, <u>L</u> ondon, United Kingdom	UNIPA - <u>UN</u> iversity of <u>P</u> alermo, Laboratory of Applied Acarology "Eliahu Swirski", Department of Agricultural and Forest Sciences, Palermo, Italy
NMB - <u>N</u> ational <u>M</u> useum <u>B</u> loemfontein, Bloemfontein, South Africa	ZISP - <u>Z</u> oological <u>I</u> nstitute of the Russian Academy of Sciences, <u>S</u> aint <u>P</u>
NMNS - <u>N</u> ational <u>M</u> useum of <u>N</u> atural <u>S</u> ciences, Taichung, Taiwan	ZSM - <u>Z</u> oologische <u>S</u> tatssammlungen, <u>M</u> ünchen, Germany
NMNST - <u>N</u> ational <u>M</u> useum of <u>Nature and <u>Science, Tsukuba, Japan</u></u>	
NTU - <u>N</u> ational <u>T</u> aiwan <u>Uniiversity, Department of Entomology, Taipei, Taiwan</u>	New species
NZAC - <u>N</u> ew <u>Z</u> ealand <u>A</u> rthropod <u>C</u> ollection, Landcare Research, Auckland, New Zealand	<i>Alloeuzercon seemanni</i> Sun, Jin & Yi, 2021 (Page: 188) – TYPES: HT+ PT - GUGC
NZC - <u>N</u> ational <u>Z</u> oological <u>C</u> ollection, Zoological Survey of India, Kolkata, India	<i>Amblydromalus amazonicus</i> Demite, Rezende & Lofego, 2021 (Page: 528) – TYPES: HT + PT - UNESP
OSAL - <u>O</u> hio <u>S</u> tate University, Museum of Biological Diversity, <u>A</u> carology <u>L</u> aboratory, Columbus, Ohio, USA	<i>Amblyseius marunumus</i> Negm & Gotoh, 2020 (Page: 1979) – TYPES: HT + PT - NMNST, PT - AEZIU
PCYU - <u>P</u> acker <u>C</u> ollection at <u>Y</u> ork <u>Uniiversity, Toronto, Canada</u>	<i>Antennoseius (Vitzthumia) heterochaetus</i> Long & Yi, 2021 (Page: 47) – TYPES: HT + PT - GUGC
QSBG - <u>Q</u> ueen <u>S</u> irikit <u>B</u> otanical <u>G</u> arden, Mae Rim, Chiang Mai, Thailand	<i>Arrhenoseius granulatus</i> Long & Yi, 2020 (Page: 556) – TYPES: HT + PT - GUGC
TARL - <u>Taiwan <u>A</u>cari <u>R</u>esearch <u>L</u>aboratory, Taichung City, Taiwan</u>	<i>Arrhenoseius hallidayi</i> Long & Yi, 2020 (Page: 544) – TYPES: HT + PT - GUGC
TSUMZ - <u>Tyumen <u>S</u>tate <u>Uniiversity <u>M</u>useum of <u>Z</u>oology, Tyumen, Russia</u></u>	<i>Berlesia hospitabilis</i> Lindquist, OConnor, Shaw & Sidorchuk, 2020 (Page: 9) – TYPES: HT + PT - ANIC, PT - CNC, UMMZ, ZISP
UFAL - <u>Universidade <u>FA</u>lagoas, Laboratório de Entomologia e Acarologia, Arapiraca, Alagoas, Brazil</u>	<i>Berlesia multisetosa</i> Lindquist, OConnor, Shaw & Sidorchuk, 2020 (Page: 18) – TYPES: HT + PT - ANIC, PT - CNC, UMMZ, ZISP
UFMG - <u>Universidade <u>FMinas <u>G<td><i>Berlesia vorontsovi</i> Lindquist, OConnor, Shaw & Sidorchuk, 2020 (Page: 26) – TYPES: HT + PT - ANIC, PT - CNC, UMMZ, ZISP</td></u></u></u>	<i>Berlesia vorontsovi</i> Lindquist, OConnor, Shaw & Sidorchuk, 2020 (Page: 26) – TYPES: HT + PT - ANIC, PT - CNC, UMMZ, ZISP
UFRPE - <u>Universidade <u>FRPernambuco, Recife, Brazil</u></u>	<i>Chapalaelaps secretumsternalis</i> Gwiazdowicz, Nemati & Riahi, 2020 (Page: 602) – TYPES: HT + PT - OSAL
UMMZ - <u>Uiversity of <u>Michigan, <u>Museum of <u>Zoology, Ann Arbor, USA</u></u></u></u>	<i>Chiasmanyssus cavernicola</i> Gomes-Almeida & Pepato, 2021 (Page: 507) – TYPES: HT + PT - UFMG
UNAL - <u>Universidad <u>Nacional de Colombia, Palmira, Colombia</u></u>	<i>Dendroseius reductus</i> Masán, 2020 (Page: 51) – TYPES:

- HT + PT - IZSAS
- Dinogamasus saengdaiae* Attasopa & Ferrari, 2021 (Page: 479) – TYPES: HT - QSBG, PT - CMU, CUMZ, NHML, PCYU
- Euseius ennsi* Ueckermann, Moraes & Childers, 2020 (Page: 864) – TYPES: HT + PT - FDAC, PT - NCA-PPRI
- Euseius sajnekhalicus* Kar & Karmakar, 2021 (Page: 52) – TYPES: HT + PT - NZC
- Formosaurella tertia* Kotschán & Friedrich, 2020 (Page: 1510) – TYPES: HT - MUSM, PT - ZSM
- Gaeolaelaps acanthoppedus* Joharchi & Friedrich, 2021 (Page: 57) – TYPES: HT - MUSM, PT - TSUMZ, ZSM
- Gaeolaelaps altaiensis* Joharchi, 2021 (Page: 241) – TYPES: HT + PT - TSUMZ
- Gaeolaelaps americanus* Gwiazdowicz, Nemati & Riahi, 2020 (Page: 527) – TYPES: HT - OSAL
- Gaeolaelaps andensis* Joharchi & Friedrich, 2021 (Page: 62) – TYPES: HT - MUSM, PT - TSUMZ, ZSM
- Gaeolaelaps euparadactylifer* Joharchi, 2021 (Page: 248) – TYPES: HT + PT - TSUMZ
- Gaeolaelaps klompeni* Gwiazdowicz, Nemati & Riahi, 2020 (Page: 524) – TYPES: HT + PT - OSAL
- Gaeolaelaps olszanowskii* Joharchi, Hugo-Coetze, Ermilov & Khaustov, 2020 (Page: 441) – TYPES: HT - NMB, PT - TSUMZ
- Gaeolaelaps tuberculatus* Kazemi & Paktinat-Saeij, 2020 (Page: 1970) – TYPES: HT + PT - ACISTE
- Gamasellodes unalpalmi* Mesa, Abo-Shnaf & Rueda-Ramirez, 2021 (Page: 167) – TYPES: HT - ESALQ/USP, PT - UNAL
- Geogamasus lasaroi* Barros, Azevedo & Castilho, 2021 (Page: 125) – TYPES: HT + PT - ESALQ/USP
- Halozercon aesopi* Marchenko, 2021 (Page: 177) – TYPES: HT + PT - ISEA, PT - MM
- Halozercon alataus* Marchenko, 2021 (Page: 152) – TYPES: HT + PT - ISEA, PT - MM
- Halozercon gryphus* Marchenko, 2021 (Page: 161) – TYPES: HT + PT - ISEA, PT - MM
- Halozercon kumir* Marchenko, 2021 (Page: 170) – TYPES: HT + PT - ISEA, PT - MM
- Indutolaelaps jiroftensis* Hajizadeh, Mortazavi, Balooch-Shahriari & Castilho, 2017 (Page: 670) – TYPES: HT + PT - HT + PT - ALUG, PT - ESALQ/USP
- Kuzinellus gabonensis* Santos & Demite, 2021 (Page: 136) – TYPES: HT + PT - CBG
- Laelaspis formicaphilus* Joharchi & Abramov, 2020 (Page: 635) – TYPES: HT + PT - TSUMZ
- Lasioseius kichozi* Faraji, 2021 (Page: 97) – TYPES: HT + PT - SMNG, PT - ANIC, BMNH, OSAL
- Leonardiella pappi* Kotschán, 2021 (Page: 83) – TYPES: HT + PT - MHNG
- Leptogamasus bicornis* Witalinski, 2021 (Page: 174) – TYPES: HT + PT - NECJU
- Leptogamasus digiticornis* Witalinski, 2021 (Page: 180) – TYPES: HT + PT - NECJU
- Leptogamasus sextus* Witalinski, 2021 (Page: 186) – TYPES: HT + PT - NECJU
- Leptogamasus trentinis* Witalinski, 2021 (Page: 193) – TYPES: HT + PT - NECJU
- Leptogamasus binghami* Witalinski, 2020 (Page: 699) – TYPES: HT + PT - NECJU
- Leptogamasus montanus* Witalinski, 2020 (Page: 706) – TYPES: HT + PT - NECJU
- Leptogamasus renogynialis* Witalinski, 2020 (Page: 713) – TYPES: HT + PT - NECJU
- Macrocheles neotransversus* Quintero-Gutierrez & Cóbita-Heredia, 2020 (Page: 505) – TYPES: HT + PT - ICN, PT - CIUQ
- Mahnertellina paradoxa* Kotschán, 2020 (Page: 76) – TYPES: HT + PT - MHNG
- Metagynella pangooli* Kotschán, 2021 (Page: 1144) – TYPES: HT + PT - MHNG

- Microuroobovella olszanowskii* Błoszyk, Adamski & Napierała, 2020 (Page: 455) – TYPES: HT + PT - AMU, PT - ANIC
- Mycomelichares polypori* Masán & Joharchi, 2021 (Page: 160) – TYPES: HT + PT - IZSAS
- Mycomelichares reductus* Masán & Joharchi, 2021 (Page: 167) – TYPES: HT + PT - TSUMZ
- Neoparaphytoseius caatinga* Silva, Silva & Moraes, 2021 (Page: 236) – TYPES: HT + PT - ESALQ/USP, PT - UFRPE, UFAL
- Neoseiulus caucasicus* Döker & Khaustov, 2021 (Page: 673) – TYPES: HT + PT - TSUMZ, PT - ALCU
- Neoseiulus cunhaensis* Döker & Ueckermann, 2021 (Page: 569) – TYPES: HT + PT - NCA-PPRI
- Neoseiulus kikuyu* Ma, Fan & Zhang, 2020 (Page: 2099) – TYPES: HT + PT - NZAC
- Neoseiulus mediterraneus* Tsolakis & Ragusa, 2020 (Page: 737) – TYPES: HT + PT - UNIPA
- Neoseiulus xiaomenensis* Liao & Ho, 2021 (Page: 648) – TYPES: HT - NTU, PT - NMNS, NCHU, TARL
- Olopachys masani* Hajizadeh & Hosseini, 2020 (Page: 531) – TYPES: HT + PT - ALUG, PT - JAZM
- Phytoseius mauritiana* Bhowmik & Karmakar, 2021 (Page: 435) – TYPES: HT + PT - NZC
- Proprioseiopsis amari* Bhowmik & Karmakar, 2021 (Page: 431) – TYPES: HT + PT - NZC
- Proprioseiopsis indicus* Kar & Karmakar, 2021 (Page: 54) – TYPES: HT + PT - NZC
- Proprioseiopsis penghuensis* Liao & Ho, 2021 (Page: 645) – TYPES: HT - TARL, PT - NMNS, NTU
- Proprioseiulus ceylonensis* Döker & Khaustov, 2021 in Khaustov, Döker, Joharchi & Khaustov, 2021 (Page: 465) – TYPES: HT + PT - TSUMZ
- Prozercon didimensis* Kececi, Urhan & Karaca, 2021 (Page: 2) – TYPES: HT + PT - DBPU
- Psilogamasus pentatideus* Yao & Jin, 2020 (Page: 834) – TYPES: HT + PT - GUGC
- Reductholaspis longicorniculus* Shen & Yi, 2021 (Page: 142) – TYPES: HT + PT - GUGC
- Rotundabaloghia (Circobaloghia) olszanowskii* Kontschán, 2020 (Page: 322) – TYPES: HT + PT - MHNG
- Rotundabaloghia dogani* Kontschán, 2021 (Page: 32) – TYPES: HT + PT - MHNG
- Transeius conyzoides* Fang & Wu, 2020 (Page: 360) – TYPES: HT + PT - GIABR
- Typhlodromips jhilimiliensis* Bhowmik & Karmakar, 2021 (Page: 427) – TYPES: HT + PT - NZC
- Typhlodromips neosyzygii* Bhowmik & Karmakar, 2021 (Page: 429) – TYPES: HT + PT - NZC
- Typhlodromips pseudomontanus* Khaustov, Döker, Joharchi & Khaustov, 2021 (Page: 96) – TYPES: HT + PT - TSUMZ, PT - ALCU
- Typhlodromus (Anthoseius) adhatoda* Karmakar in Molla, Kar, Bala, Karmakar, 2021 (Page: 547) – TYPES: HT + PT - NZC
- Typhlodromus (Anthoseius) bengalensis* Karmakar in Molla, Kar, Bala, Karmakar, 2021 (Page: 545) – TYPES: HT + PT - NZC
- Typhlodromus (Anthoseius) bolpurensis* Bhowmik & Karmakar, 2021 (Page: 433) – TYPES: HT + PT - NZC
- Typhlodromus (Anthoseius) bulbosis* Karmakar in Molla, Kar, Bala, Karmakar, 2021 (Page: 543) – TYPES: HT + PT - NZC
- Typhlodromus (Anthoseius) gosabaensis* Kar & Karmakar, 2021 (Page: 55) – TYPES: HT + PT - NZC
- Typhlodromus (Anthoseius) huangjiaensis* Fang & Wu, 2020 (Page: 363) – TYPES: HT + PT - GIABR
- Typhlodromus (Anthoseius) macrodactylus* Ferragut, 2021 (Page: 412) – TYPES: HT + PT - MNCN
- Typhlodromus (Anthoseius) sagaricus* Karmakar in Molla, Kar, Bala, Karmakar, 2021 (Page: 550) – TYPES: HT + PT - NZC
- Typhlodromus (Anthoseius) tetraporus* Döker, Khaustov & Joharchi, 2021 (Page: 373) – TYPES: HT + PT - TSUMZ

Typhlodromus (Anthoseius) ueckermannii Liao & Ho, 2021
 (Page: 311) – TYPES: HT + PT - NTU

Typhlodromus (Anthoseius) uhoneae Ueckermann, Situngu & Barker, 2021 (Page: 685) – TYPES: HT + PT - NCA-PPRI

Zercon izmirensis Urhan, Duran & Karaca, 2020 (Page: 2325) – TYPES: HT + PT - DBPU

Zercon karacasuensis Bulut, Urhan & Karaca, 2021 (Page: 77) – TYPES: HT + PT - DBPU

Zercon manisaensis Urhan, Duran & Karaca, 2020 (Page: 2329) – TYPES: HT + PT - DBPU

Zercon semizi Urhan, Duran & Karaca, 2020 (Page: 2333) – TYPES: HT + PT - DBPU

Zerconopsis zumbambicae Mesa, Abo-Shnaf & Rueda-Ramirez, 2021 (Page: 175) – TYPES: HT - ESALQ/USP, PT - UNAL

New genera

Alloeuzercon Sun, Jin & Yi, 2021 (Page: 186) – Typ. sp.:
Alloeuzercon seemani Sun, Jin & Yi 2021

Chapalaelaps Gwiazdowicz, Nemati & Riahi, 2020 (Page: 595) – Typ. sp.: *Coleolaelaps granulatus* Hyatt, 1964

Chiasmanyssus Gomes-Almeida & Pepato, 2021 (Page: 506) – Typ. sp.: *Chiasmanyssus cavernicola* Gomes-Almeida & Pepato, 2021

Hypoaceus Nemati, Gwiazdowicz & Riahi, 2021 (Page: 168) – Typ. sp.: *Hypoaspis eugenitalis* Karg, 1978

Mahnertellina Kontschán, 2020 (Page: 75) – Typ. sp.: *Mahnertellina paradoxa* Kontschán, 2020

Microuroobovella Błoszyk, Adamski & Napierała, 2020 (Page: 454) – Typ. sp.: *Microuroobovella olszanowskii* Błoszyk, Adamski & Napierała, 2020

Mycomelichares Masán & Joharchi, 2021 (Page: 158) – Typ. sp.: *Mycomelichares polypori* Masán & Joharchi, 2021

New subgenera

Formosaurella (Falcatana) Kontschán & Friedrich, 2020
 (Page: 1513) – Typ. sp.: *Discourella falcata* Hirschmann, 1972

New subfamily

Africoseiinae Rueda-Ramirez, Santos, Sourassou, Demite, Puerta-González & Moraes, 2019 (Page: 2388) – Typ. gen.: *Africoseius* Krantz, 1962

New combinations

Chapalaelaps granulatus (Hyatt, 1964) – [Gwiazdowicz, Nemati & Riahi, 2020: 599]

Chapalaelaps latisternalis (Hyatt, 1964) – [Gwiazdowicz, Nemati & Riahi, 2020: 600]

Formosaurella (Falcatana) falcata (Hirschmann, 1972) – [Kontschán & Friedrich, 2020: 1513]

Gamasholaspis ussuriensis (Petrova, 1967) – [Quintero-Gutierrez & Halliday, 2021: 419]

Gamasholaspis zwartae (Marschall, 1964) – [Quintero-Gutierrez & Halliday, 2021: 420]

Hypoaceus eugenitalis (Karg, 1978) – [Nemati, Gwiazdowicz & Riahi, 2021: 172]

Hypoaceus pycnosis (Karg, 1979) – [Nemati, Gwiazdowicz & Riahi, 2021: 179]

Hypoaspisella antipai (Solomon, 1968) – [Joharchi, Cilbircioglu, Döker & Khaustov, 2020: 200]

Hypoaspisella azarbajaniensis (Faraji, Abedi & Ostovan, 2008) – [Joharchi, Cilbircioglu, Döker & Khaustov, 2020: 200]

Hypoaspisella egenus (Berlese, 1918) – [Joharchi, Cilbircioglu, Döker & Khaustov, 2020: 200]

Hypoaspisella giffordi (Evans & Till, 1966) – [Joharchi, Cilbircioglu, Döker & Khaustov, 2020: 200]

Hypoaspisella pini (Hirschmann, Bernhard, Greim & Götz,

- 1969) – [Joharchi, Cilibircioglu, Döker & Khaustov, 2020: 194]
- Hypoaspisella sclerotarsa* (Costa, 1968) – [Mojaz & Kazemi, 2020: 260]
- Krantzolaspina angustatus* (Ishikawa, 1987) – [Quintero-Gutiérrez, Sandmann, Cómbita-Heredia, Klärner, Widystutti & Scheu, 2020: 51]
- Krantzolaspina solimani* (Metwali, 1983) – [Quintero-Gutiérrez, Sandmann, Cómbita-Heredia, Klärner, Widystutti & Scheu, 2020: 62]
- Macrocheles magna* (Berlese, 1910) – [Quintero-Gutiérrez, Cómbita-Heredia & Klompen, 2020: 501]
- Mycomelichares cylodi* (Samsinak, 1960) – [Masán & Joharchi, 2021: 172]
- Mycomelichares slovacus* (Masan, 1998) – [Masán, Joharchi & Abramov, 2021: 172]
- Neparholaspis pygmaeus* (Ishikawa, 1980) – [Quintero-Gutierrez & Halliday, 2021: 427]
- Orthopteroceius cultrigerum* (Berlese, 1910) – [Lindquist, OConnor, Shaw & Sidorchuk, 2020: 37]
- Parholaspulus canariensis* (Moraza & Pena, 2006) – [Quintero-Gutierrez & Halliday, 2021: 431]
- Parholaspulus taiwanicus* (Tseng, 1993) – [Quintero-Gutierrez & Halliday, 2021: 435]
- Prasadiseius nudum* (Berlese, 1910) – [Lindquist, OConnor, Shaw & Sidorchuk, 2020: 38]
- Proparholaspulus squamosus* (Karg, 1997) – [Quintero-Gutierrez & Halliday, 2021: 438]
- Psilogamasus brachysternalis* (Ma & Lin, 2005) – [Yao, Yi, Jin & Guo, 2020: 833]
- Psilogamasus lingulatus* (Bai & Ma, 2013) – [Yao, Yi, Jin & Guo, 2020: 833]
- Psilogamasus longascidiformis* (Ma & Lin, 2005) – [Yao, Yi, Jin & Guo, 2020: 833]
- Psilogamasus pentasetosus* (Tseng, 1995) – [Yao, Yi, Jin & Guo, 2020: 833]
- Typhlodromips montanus* (Wainstein, 1962) – [Khaustov, Döker, Joharchi & Khaustov, 2020: 204]

New synonyms

- Indutolaelaps* Ishikawa, 1980 – [Quintero-Gutiérrez & Halliday, 2021: 437]
= *Proparholaspulus* Ishikawa, 1980
- Indutolaelaps jiroftensis* Hajizadeh, Mortazavi, Balooch-Shahriari & Castilho, 2017 – [Quintero-Gutiérrez, Sandmann, Cómbita-Heredia, Klärner, Widystutti & Scheu, 2020: 51]
= *Krantzolaspina angustatus* (Ishikawa, 1987)

- Kampimodromus coryli* Meshkov, 1999 – [Faraji & Hoekstra, 2021: 36]
= *Kampimodromus langei* Wainstein & Arutunjan, 1973

New names

- Maxiniini* Makarova, Marchenko & Lindquist, 2021 (Page: 451) – Typ. gen: *Maxinia* Lindquist & Makarova, 2012
- Zerconopsini* Makarova, Marchenko & Lindquist, 2021 (Page: 450) – Typ. gen.: *Zerconopsis* Hull, 1918

New tribe

- Metaseiulus neosmithi* Faraji, 2021 pro *Metaseiulus smithi* Denmark & Evans, 2011 – [Faraji & Hoekstra, 2021: 56]

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Christian, A. & K. Franke

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