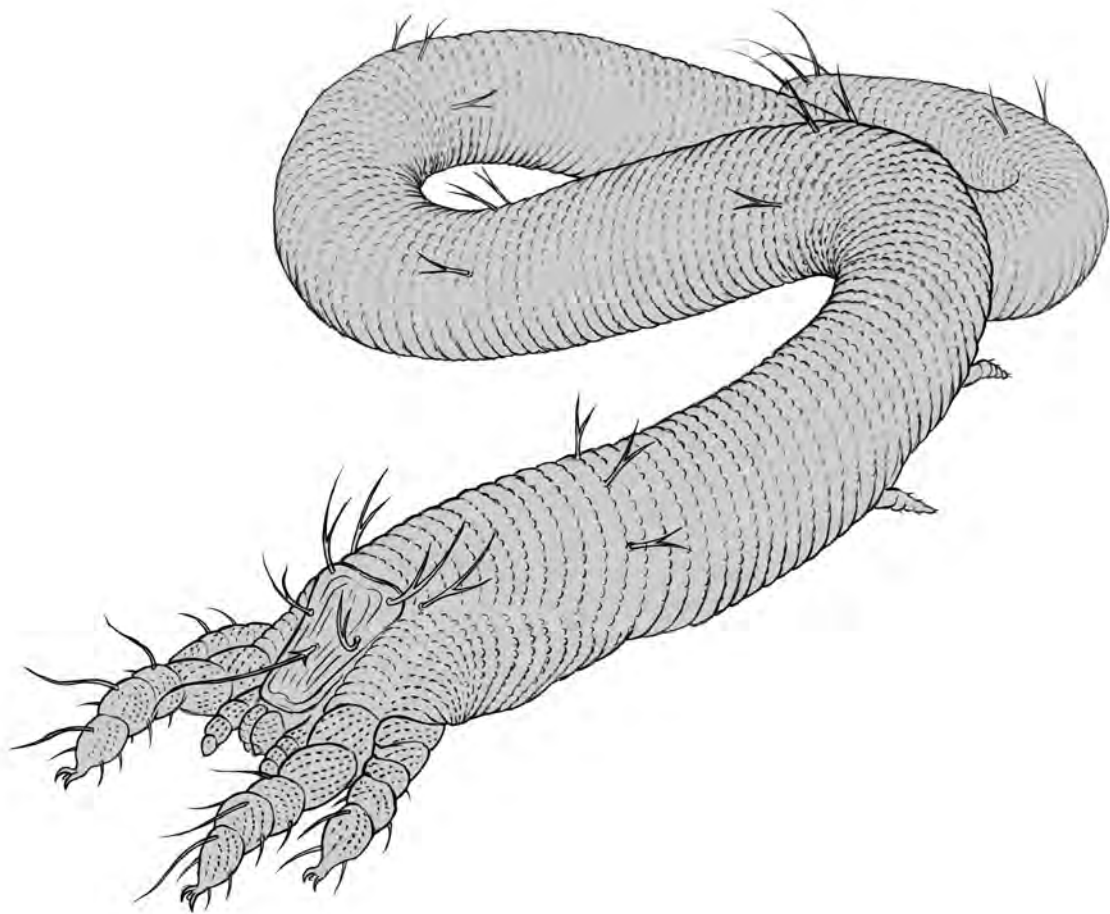


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ACARI – Bibliographia Acarologica strives to advance and help disseminate acarological knowledge. To this end, each year we compile all internationally available papers published on Acari, as far as they become known to us. Two major taxon groups, however, are excluded from this bibliography on Actinedida – the Eriophyidae and the paraphyletic “Hydracarina” – since literature databanks of these groups are available elsewhere.

With more than 360 papers listed this year, this volume indicates increased actinedid research over previous years. Papers are included from 42 countries in the present volume, reflecting the continuing worldwide scientific interest in Actinedida. Also this year, the majority of papers come from Middle-Eastern and Southeast Asian countries (28%); most of which originate from Iran (13% of all articles in this volume). This again reflects the steadily increasing actinedid research in these areas, which are becoming a centre of basic acarological taxonomic research. The many contributions from Brazil (15%) show that the high level of acarological research from this country continues. Traditional centres of scientific research (i.e. Europe and North America) contribute in total somewhat less than usual (18% and 9%, respectively), again likely reflecting the persisting decline in taxonomists in these areas.

Systematics and taxonomy again remain the most highly represented topic (31% of all papers), with more than 140 descriptions of new species and 12 new genera in almost 100 papers. Two new families were also described (Chulacaridae and Nasutiacaridae, the latter being fossil). This indicates how much basic research on the biodiversity of this mite group is still needed. As in all previous years, economics seem to dictate most actinedid research, with general plant (crop) protection topics – i.e., acarine-pest biology, biological mite control (including predator-prey relationships) and the ecology/biology of plant pests being the next most common subject matter (almost 40% of all papers). Molecular biological research is also steadily increasing with Actinedida (18 papers). Research on 45 families is reported in this issue. Over half of the papers once again deal with the economically important Tetranychidae and Tenuipalpidae. Strongly represented this year are as usual Parasitengona (12 families, 17% of all papers, the majority dealing with chiggers) and Heterostigmata (7 families, ca. 10%) Endostimata taxa are still highly underrepresented with only one paper.

We point out once again the lack of general ecological research, considering that Actinedida represent one of the most abundant soil-microarthropod groups. Only six papers in the present volume deal explicitly with soil actinedid fauna, although many faunistic papers (including survey and checklists) were included this year (48 papers, 13%). Taxonomic revisions and determination keys still remain sorely needed for most soil-living families and genera, their availability will help promote ecological field research on Actinedida. The present volume lists publications that include keys for, i.e., Tydaeidae, Stigmaeidae, and Tenuipalpidae as well as for the genera *Tenuipalpus*, *Tydeus*, and *Mononychellus*; some for the worldwide known species.

The acarological literature collection and databank in Görlitz is now one of the largest in the world. The databank of Actinedid literature cited in ACARI has now accumulated 8,035 papers on 3,381 species of actinedid mites. The databank as well as previous issues of ACARI can be accessed via <http://www.senckenberg.de/Acari>.

Reprints of the majority of cited papers are present in the Chelicerata Department of the Senckenberg Museum of Natural History in Görlitz. The registration of all recent publications on actinedid mites is a daunting and time-consuming task, which cannot be undertaken without the aid of all acarologists worldwide. We expressly thank all authors who have assisted this goal and sent reprints of their papers. We nonetheless ask for your continued help by

sending reprints or copies of all your papers on actinedid mites. As with any journal, mistakes and omissions are unavoidable. Critique and suggestions are welcome and explicitly called for. Please inform us if we have failed to list any of your publications in the Bibliographia and we will include them in later volumes.

Besides this literature database, the Senckenberg Museum of Natural History in Görlitz maintains an acarological collection, not only of type but also of reference material. Type species as well as determined material may be deposited in these collections and are actively called for. The availability of these collections is guaranteed by the numerous scientists and technical personnel presently working with the soil-arthropod collections in Görlitz.

Acarological literature

Literature quotations printed in bold type contain descriptions of new species. Titles marked with “*” were only found as a citation or abstract. The addresses of the corresponding authors are given in the section Addresses.

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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:

Brachytydeus lorenzatus Silva & Ferla, 2016 (Page: 2¹)
– TYPES: HT² + PT² - MCN³

1 – first page of the description

2 – holotype (HT), paratypes (PT) or allotypes (AT)

3 – abbreviations of the places of storage of new types, as far as they were cited in the publications

Abbreviations of the places of storage of new types

ABUH - Al-Baath University, Department of Plant Protection, Faculty of Agriculture, Homs, Syria

ACASI - Acarological Collection, Acarological Society of Iran, University of Tehran, Karaj, Iran

AETMU - Acarological Collection, Department of Entomology, Tarbiat Modares University, Tehran, Iran

AINP - All India Network Project on Agricultural Acarology, University of Agricultural Sciences, Bangalore, India

ALUM - Acarology Laboratory, Department of Plant Protection, University of Maragheh, Maragheh, Iran

AMU - Adam Mickiewicz University, Department of Animal Morphology, Poznan, Poland

ARC-PPRI - Agricultural Research Council - Plant Protection Research Institute, Pretoria, South Africa

ASFEU - Biology Department, Arts and Sciences Faculty, Erzincan University, Erzincan, Turkey

BASU - Bu-Ali Sina University, Acarology Laboratory, Hamedan, Iran

BSIB - Biology and Soil Institute, National Academy of Sciences, Bishkek, Kyrgyz Republic

BZOL - BiologieZentrum des Oberösterreichischen Landesmuseums, Linz, Austria

CALBS - Collection of the Acarology Laboratory, University of Bu-Ali Sina, Hamadan, Iran

CDCP - Colección del Departamento de Ciencias Pecuarias, Universidad de Concepción, Chillán, Chile

CDCT - Centers for Research, Diagnostic and Vaccine Development, Centers for Disease Control, Ministry of Health and Welfare, Taipei, Taiwan

CIPROC - Centro de Investigación en PROtección de Cultivo, Universidad de Costa Rica, San José, Costa Rica

CNAC - Colección Nacional de ACaros at the Instituto de Biología, Universidad Nacional Autónoma de México, México, México

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

CUMNH - Chulalongkorn University Museum of Natural History, Bangkok, Thailand

DZSJRP - Departamento de Zoologia, Campus de S.J. do Rio Preto, Universidade Estadual Paulista, Sao Paulo, Brazil

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

FAAS - Fujian Academy of Agricultural Sciences, Plant Protection Research Institute, Fuzhou, China

FDAC - Florida Department of Agriculture and Consumer Services, Gainesville, USA

FMNH - Field Museum of Natural History, Chicago, USA

GIMR - Geological Institute and Museum of the University of Rennes, Rennes, France

GMNH - Georgia Museum of Natural History, University of Georgia, Athens, USA

GPIH - Geologisch-Paläontologisches Institut der Universität Hamburg, Hamburg, Germany

GUGC - Guizhou University, Institute of Entomology,

- Guiyang, Guizhou, China
- HUS - Hokkaido University, Sapporo, Japan
- IEBR - Institute of Ecology and Biological Resources, Vietnamese Academy of Science and Technology, Hanoi, Vietnam
- JAZM - Jalal Afshar Zoological Museum, Acarological Collection, University of Tehran, Karaj, Iran
- LMEE - Laboratory and Museum of Evolutionary Ecology, Department of Ecology, University of Prešov, Prešov, Slovakia
- MCN - Museu de Ciências Naturais da UNIVATES Centro Universitário, Lajeado, Brazil
- MNHP - Museum of Natural History, Podgorica, Montenegro
- MNHWU - Museum of Natural History, Wrocław University of Environmental and Life Sciences, Wrocław, Poland
- MZUC - Museo de Zoología Universidad de Concepción, Concepción, Chile
- MZUSP - Museu de Zoologia da Universidade de Sao Paulo, Sao Paulo, Brazil
- NCA-PPRI - South Africa National Collection of Arachnida (Acari), Plant Protection Research Institute, Pretoria, South Africa
- NFCSO - National Food Chain Safety Office, Department of Plant Protection Development and Coordination, Budapest, Hungary
- NHML - Natural History Museum, Department of Entomology, London, United Kingdom
- NMCR - National Museum of Natural History, San José, Costa Rica
- NMK - National Museums of Kenya, Nairobi, Kenya
- NMNH - National Insect and Mite Collection, National Museum of Natural History, Smithsonian Institution, Beltsville, USA
- NZAC - New Zealand Arthropod Collection, Landcare Research, Auckland, New Zealand
- NZMC - National Zoological Museum of China, Institute of Zoology, Chinese Academy of Sciences, Beijing, China
- OSAL - Ohio State University, Museum of Biological Diversity, Acarology Laboratory, Columbus, USA
- QIA - Animal and Plant Quarantine and Inspection Agency, Anyang, South Korea
- QM - Queensland Museum, South Brisbane, Australia
- SBUK - Collection of the Acarology Laboratory, Shahid Bahonar University of Kerman, Kerman, Iran
- SNM - Slovak National Museum, Bratislava, Slovakia
- TUAC - Tabriz University, Department of Plant Protection, Acarological Collection, Tabriz, Iran
- TUMZ - Tyumen State University Museum of Zoology, Tyumen, Russia
- UGMC - University of Guilan Mite Collection, Rasht, Iran
- UMMZ - University of Michigan, Museum of Zoology, Ann Arbor, USA
- UNESP - Universidade Estadual Paulista, Campus de Sao José do Rio Preto, Sao Paulo, Brazil
- USNM - United States National Museum of Natural History, Washington, USA
- ZISP - Zoological Institute, Russian Academy of Sciences, St. Petersburg, Russia
- ZSM - Zoologische Staatssammlungen, München, Germany
- ZUTC - Zoological Museum of the University of Tehran Collection, Tehran, Iran

New species

Aboriginesia akimovi Kharadov, Mamutbekova & Akyshova, 2016 (Page: 31) – TYPES: HT - BSIB

Abrolophus balkanicus Haitlinger & Šundić, 2015 (Page: 1019) – TYPES: HT - MNHP, PT - MNHWU

Acarophenax sphindi Rahiminejad & Hajiqaanbar, 2015

- (Page: 278) – TYPES: HT + PT - AETMU
- Aegyptobia juniperi* Ueckermann, Cobanoglu & Saglam, 2016 (Page: 153) – TYPES: HT + PT - ARC-PPRI
- Aegyptobia khanjani* Farzan & Asadi, 2015 (Page: 36) – TYPES: HT + PT - SBUC, PT - ARC-PPRI
- Agistemus manjilicus* Khanjani, Hajizadeh & Zarei, 2015 (Page: 2) – TYPES: HT + PT - BASU, PT - UGMC
- Akrostomma gabriella* Crossley & Simmons, 2015 (Page: 458) – TYPES: HT + PT - GMNH, PT - USNM
- Allochaetophora iranica* Mahdavi & Asadi, 2015 (Page: 361) – TYPES: HT + PT - SBUC, PT - ACASI
- Anoplocheylus corticicola* Fuangarworn & Butcher, 2015 (Page: 626) – TYPES: HT + PT - CUMNH, PT - OSAL, ARC-PPRI
- Apediculaster carpelimus* Rahiminejad & Hajiqanbar, 2016 (Page: 464) – TYPES: HT + PT - AETMU
- Apodisyringiana hirundapi* Skoracki, Kaszewska & Kavetska, 2015 (Page: 584) – TYPES: HT + PT - AMU, PT - ZSM, ZISP
- Archidispus irregularis* Katlav & Hajiqanbar, 2016 (Page: 140) – TYPES: HT - AETMU, PT - USNM, JAZM
- Armascirus jini* Liu, Yi & Guo, 2015 (Page: 323) – TYPES: HT - GUGC
- Atractothrombium amirkabiri* Noei, Saboori & Hajizadeh, 2015 (Page: 656) – TYPES: HT + PT - JAZM, PT - ACASI, UGMC
- Atractothrombium brevisetosum* Karakurt & Sevsay, 2015 (Page: 650) – TYPES: HT + PT - ASFEU
- Bertrandiella campanensis* Quiroz-Gutiérrez, Paredes-Leon, Roldan-Rodriguez & Perez, 2016 (Page: 315) – TYPES: HT + PT - CNAC
- Biscirus iranensis* Paktinat-Saeij & Bagheri, 2015 (Page: 520) – TYPES: HT + PT - ALUM, PT - ACASI
- Brachytydeus lorenzatus* Silva & Ferla, 2016 (Page: 2) – TYPES: HT + PT - MCN
- Caesarodispus khaustovi* Rahiminejad & Hajiqanbar, 2015 (Page: 462) – TYPES: HT + PT - AETMU, PT - USNM
- Caesarodispus nodijensis* Rahiminejad & Hajiqanbar, 2015 (Page: 466) – TYPES: HT - AETMU, PT - USNM
- Caesarodispus pheidolei* Rahiminejad & Hajiqanbar, 2015 (Page: 464) – TYPES: HT - AETMU, PT - USNM
- Calypstostoma giuliae* Haitlinger & Minor, 2015 (Page: 920) – TYPES: HT + PT - MNHWU
- Calypstostoma katyae* Konikiewicz, Wohltmann & Makol, 2016 (Page: 338) – TYPES: HT - GPIH
- Calypstostoma marantica* Haitlinger & Minor, 2015 (Page: 923) – TYPES: HT + PT - MNHWU
- Cenopalpus adventicius* Ueckermann & Ripka, 2016 (Page: 999) – TYPES: HT + PT - NFCSO
- Cenopalpus cumanicus* Ueckermann & Ripka, 2016 (Page: 992) – TYPES: HT + PT - NFCSO, PT - NCA-PPRI
- Charadriineopicobia apricaria* Skoracki, Sikora & Spicer, 2016 (Page: 12) – TYPES: HT - AMU
- Charletonia baluchestanica* Tashakor & Hakimitabar, 2015 (Page: 198) – TYPES: HT + PT - AETMU, PT - JAZM, ACASI
- Charletonia farajii* Noei, Saboori & Hajizadeh, 2015 (Page: 442) – TYPES: HT + PT - JAZM, PT - ACASI, UGMC
- Charletonia kosensis* Haitlinger & Šundić, 2016 (Page: 1010) – TYPES: HT + PT - MNHWU
- Chenophila nanseni* Skoracki & Zawierucha, 2016 (Page: 123) – TYPES: HT + PT - AMU, PT - ZISP, ZSM
- Cheylostigmaeus variatus* Dogan, Dilkaraoglu & Fan, 2015 (Page: 799) – TYPES: HT + PT - ASFEU, PT - NZAC
- Chulacarus elegans* Fuangarworn, Lekprayoon & Butcher, 2016 (Page: 529) – TYPES: HT + PT - CUMNH, PT - OSAL
- Coronipes sperati* Khaustov, Lee & Park, 2016 (Page: 19) – TYPES: HT + PT - TUMZ, PT - QIA
- Cunaxa celineae* Barbar, 2015 (Page: 461) – TYPES: HT - ABUH
- Cunaxoides shahriari* Bagheri, Paktinat-Saeij & De Castro, 2016 (Page: 2) – TYPES: HT + PT - ALUM, PT - JAZM

- Daidalotarsonemus alas* Ochoa, Rezende & Lofego, 2015 (Page: 450) – TYPES: HT - NMCR, PT - USNM, CIPROC, CNC, DZSJRP, NHML
- Daidalotarsonemus azoifeifai* Ochoa, Rezende & Lofego, 2015 (Page: 454) – TYPES: HT - NMCR, PT - USNM, CIPROC, CNC, DZSJRP, FAAS, QM, NHML
- Daidalotarsonemus bauchani* Rezende, Ochoa & Lofego, 2015 (Page: 461) – TYPES: HT - NMCR, PT - USNM
- Daidalotarsonemus cuadratus* Ochoa, Rezende & Lofego, 2015 (Page: 465) – TYPES: HT - NMCR, PT - USNM
- Daidalotarsonemus esalqi* Rezernde, Lofego & Ochoa, 2015 (Page: 436) – TYPES: HT + PT - ESALQ/USP, PT - DZSJRP
- Daidalotarsonemus ginae* Ochoa, Rezende & Lofego, 2015 (Page: 469) – TYPES: HT - NMCR, PT - USNM, CIPROC, CNC, DZSJRP, FAAS, NHML
- Daidalotarsonemus lini* Ochoa, Rezende & Lofego, 2015 (Page: 473) – TYPES: HT - NMCR, PT - USNM, CIPROC, CNC, DZSJRP
- Daidalotarsonemus marini* Ochoa, Rezende & Lofego, 2015 (Page: 477) – TYPES: HT - NMCR, PT - USNM, CIPROC, CNC, DZSJRP, FAAS, NHML
- Daidalotarsonemus maryae* Ochoa, Rezende & Lofego, 2015 (Page: 481) – TYPES: HT - NMCR, PT - USNM
- Daidalotarsonemus puntarenensis* Rezende, Ochoa & Lofego, 2015 (Page: 485) – TYPES: HT - NMCR, PT - USNM
- Daidalotarsonemus savanicus* Rezernde, Lofego & Ochoa, 2015 (Page: 441) – TYPES: HT + PT - ESALQ/USP, PT - DZSJRP, USNM
- Daidalotarsonemus serratus* Rezende, Ochoa & Lofego, 2015 (Page: 488) – TYPES: HT - NMCR, PT - USNM
- Denheyaxoides americanus* Rocha, Da-Costa & Ferla, 2016 (Page: 690) – TYPES: HT - ESALQ/USP, PT - MCN
- Dewuacarus lemuensis* Silva-de la Fuente, 2016 (Page: 427) – TYPES: HT + PT - MZUC, PT - CDCP
- Dolichotetranychus iranicus* Khadem & Asadi, 2016 (Page: 546) – TYPES: HT + PT - SBUK, PT - ACASI
- Ettmuelleria zahediae* Noei, Saboori & Hajizadeh, 2015 (Page: 660) – TYPES: HT + PT - JAZM, PT - ACASI, UGMC
- Eustigmaeus floridensis* Maake, Ueckermann & Childers, 2016 (Page: 977) – TYPES: HT + PT - NCA-PPRI, PT - FDAC
- Eustigmaeus oliveirai* Paktinat-Saeij & Bagheri, 2016 (Page: 574) – TYPES: HT + PT - ESALQ/USP, PT - ALUM
- Eustigmaeus piracicabensis* Paktinat-Saeij & Bagheri, 2016 (Page: 572) – TYPES: HT + PT - ESALQ/USP
- Eutarsopolipus obrieni* Husband & Husband, 2015 (Page: 968) – TYPES: HT + PT - UMMZ, PT - USNM
- Favognathus naghii* Hassanzadeh, Khanjani & Safar Alizadeh, 2014 (Page: 314) – TYPES: HT + PT - BASU, PT - ARC-PPRI
- Gahrliopia (Gateria) lienii* Chung, Wu, Kuo & Wang, 2015 (Page: 2) – TYPES: HT + PT - CDCT
- Gahrliopia (Gateria) minuta* Chung, Wu, Kuo & Wang, 2015 (Page: 4) – TYPES: HT + PT - CDCT
- Gahrliopia (Gateria) yilanensis* Chung, Wu, Kuo & Wang, 2015 (Page: 5) – TYPES: HT + PT - CDCT
- Geckobia aureae* Quiroz-Gutiérrez, Paredes-Leon, Roldan-Rodriguez & Perez, 2016 (Page: 312) – TYPES: HT + PT - CNAC
- Geckobia gerrhopygus* Fajfer, 2016 (Page: 218) – TYPES: HT - ZISP, PT - AMU
- Geckobia nitidus* Fajfer, 2016 (Page: 216) – TYPES: HT + PT - ZISP, PT - AMU
- Geckobia zapallarensis* Fajfer, 2016 (Page: 217) – TYPES: HT - ZISP, PT - AMU
- Helenicula naresuani* Stekolnikov, 2016 (Page: 329) – TYPES: HT + PT - ZISP
- Hexabdella quercusi* Eghbalian, Khanjani, Safaralizadeh & Ueckermann, 2016 (Page: 292) – TYPES: HT + PT - BASU, PT - ARC-PPRI
- Hoffmanniella solickiana* Crossley & Clement, 2015 (Page: 248) – TYPES: HT + PT - GMNH

- Hypogastia stekolnikovii* Kaluz, 2016 (Page: 496) – TYPES: HT + PT - SNM, PT - IEBR, NHML
- Imparipes fuliginosophilus* Khaustov, 2016 (Page: 97) – TYPES: HT + PT - TUMZ, PT - ZISP
- Lassenia novoseljensis* Haitlinger & Šundić, 2015 (Page: 99) – TYPES: HT + PT - MNHWU, PT - BZOL
- Leptus biljanae* Šundić & Haitlinger, 2015 (Page: 188) – TYPES: HT + PT - MNHP
- Leptus delijanensis* Khademi, Saboori & Hakimitabar, 2015 (Page: 929) – TYPES: HT - JAZM
- Meitingsunes chalcophaps* Kaszewska, Skoracki & Kavetska, 2016 (Page: 480) – TYPES: HT + PT - AMU, PT - ZSM
- Meitingsunes turacoenas* Kaszewska, Skoracki & Kavetska, 2016 (Page: 483) – TYPES: HT + PT - AMU, PT - ZSM
- Metapygmephorellus colydius* Rahiminejad & Hajiqanbar, 2015 (Page: 894) – TYPES: HT + PT - AETMU, PT - USNM, TUMZ, JAZM
- Microdispus montanus* Khaustov & Minor, 2016 (Page: 164) – TYPES: HT + PT - NZAC, PT - TUMZ
- Microtrombidium fumani* Noei, Saboori & Hajizadeh, 2015 (Page: 664) – TYPES: HT + PT - JAZM, PT - ACASI, UGMC
- Milandanielia harsitensis* Adil & Sevsay, 2015 (Page: 648) – TYPES: HT + PT - ASFEU
- Momorangia binaloudensis* Noei & Saboori, 2015 (Page: 790) – TYPES: HT + PT - JAZM
- Mononychellus cedrelae* Flechtmann & Queiroz, 2015 (Page: 831) – TYPES: HT + PT - ESALQ/USP
- Montenegrtrombium baloutchi* Masoumi, Saboori & Seiedy, 2016 (Page: 289) – TYPES: HT + PT - JAZM, PT - ACASI, ZUTC, MNHWU
- Monteustium marezensi* Haitlinger & Šundić, 2015 (Page: 1108) – TYPES: HT - MNHP, PT - MNHWU
- Nasutiacarus perplexus* Sidorchuk & Lindquist, 2016 (Page: 299) – TYPES: HT - GIMR
- Neoaulonastus malaconotus* Klimovicova, Skoracki, Njoroge & Hromada, 2016 (Page: 187) – TYPES: HT + PT - LMEE, PT - AMU, NMK
- Neocaeculus orientalis* Fuangarworn & Butcher, 2015 (Page: 252) – TYPES: HT + PT - CUMNH, PT - OSAL
- Neomicrodispus iranicus* Hajiqanbar & Hosseinaveh, 2016 (Page: 3) – TYPES: HT + PT - HNHM
- Neomolgus iraniensis* Eghbalian, Khanjani, Safaralizadeh & Ueckermann, 2016 (Page: 296) – TYPES: HT + PT - BASU, PT - ARC-PPRI
- Neopicobia pari* Skoracki, Sikora & Spicer, 2016 (Page: 33) – TYPES: HT + PT - AMU, PT - ZSM
- Neoschoengastia vietnamensis* Kaluz, 2016 (Page: 491) – TYPES: HT + PT - SNM, PT - IEBR, NHML
- Ochoanemus dux* Lofego, Pitton & Rezende, 2016 (Page: 312) – TYPES: HT + PT - UNESP, PT - ESALQ/USP, NMNH
- Oligonychus neotylus* Zeity & Srinivasa, 2016 (Page: 417) – TYPES: HT + PT - AINP
- Paracrasocheles clavisetosus* Khaustov, 2015 (Page: 619) – TYPES: HT + PT - TUMZ
- Paraphyllodispus vulgaris* Khaustov & Minor, 2016 (Page: 160) – TYPES: HT + PT - NZAC, PT - TUMZ
- Paurotyndareus persicus* Darbemamieh & Kazmierski, 2016 (Page: 400) – TYPES: HT + PT - AETMU
- Petalomium brevicaudus* Khaustov, 2016 (Page: 376) – TYPES: HT + PT - TUMZ
- Petalomium crossi* Khaustov, 2015 (Page: 550) – TYPES: HT - TUMZ
- Petalomium fuliginosum* Khaustov, 2016 (Page: 93) – TYPES: HT + PT - TUMZ, PT - ZISP
- Petalomium kurganiensis* Khaustov, 2016 (Page: 380) – TYPES: HT + PT - TUMZ
- Petalomium reductus* Khaustov, 2015 (Page: 554) – TYPES: HT - TUMZ
- Phyllodispus spinosus* Khaustov & Tolstikov, 2015 (Page: 646) – TYPES: HT + PT - TUMZ

- Phyllodispus undulatus* Khaustov & Minor, 2016 (Page: 162) – TYPES: HT + PT - NZAC, PT - TUMZ
- Picobia lonchura* Skoracki, Sikora & Spicer, 2016 (Page: 53) – TYPES: HT + PT - AMU
- Picobia magellani* Skoracki, Sikora & Spicer, 2016 (Page: 43) – TYPES: HT - AMU, PT - ZSM, ZISP
- Picobia makoli* Skoracki, Sikora & Spicer, 2016 (Page: 45) – TYPES: HT + PT - AMU
- Propygmephorus crossi* Katlav & Hajiqanbar, 2016 (Page: 137) – TYPES: HT - AETMU, PT - USNM, TUMZ, JAZM
- Proreductodispus patagoniensis* Khaustov & Tolstikov, 2015 (Page: 642) – TYPES: HT + PT - TUMZ
- Protopenthalodes reticulatus* Khaustov, 2016 (Page: 139) – TYPES: HT + PT - TUMZ
- Pseudopenthaleus tauricus* Khaustov, 2015 (Page: 927) – TYPES: HT + PT - TUMZ
- Pterygosoma balochistani* Fajfer, 2016 (Page: 348) – TYPES: HT + PT - AMU, PT - ZSM, ZISP
- Pterygosoma blandfordi* Fajfer, 2016 (Page: 344) – TYPES: HT + PT - AMU, PT - ZSM, ZISP
- Quasitydeus feresi* Silva & Ferla, 2016 (Page: 4) – TYPES: HT + PT - MCN
- Rackia curculionoides* Khaustov & Makarova, 2016 (Page: 55) – TYPES: HT + PT - TUMZ
- Schizotetranychus iraniensis* Mahdavi & Asadi, 2015 (Page: 675) – TYPES: HT + PT - SBUK, PT - ACASI
- Scutacarus crinitus* Khaustov, 2015 (Page: 274) – TYPES: HT + PT - TUMZ, PT - ZISP
- Scutacarus heterotrichus* Khaustov, 2015 (Page: 354) – TYPES: HT + PT - TUMZ, PT - ZISP
- Scutacarus insolitus* Khaustov, 2015 (Page: 350) – TYPES: HT - TUMZ, PT - ZISP
- Scutacarus karafati* Khaustov, 2015 (Page: 378) – TYPES: HT + PT - ZISP
- Scutacarus lasiophilus* Khaustov, 2015 (Page: 266) – TYPES: HT + PT - TUMZ, PT - ZISP
- Scutacarus moseri* Khaustov, 2015 (Page: 347) – TYPES: HT + PT - TUMZ, PT - ZISP
- Scutacarus myrmicinus* Khaustov, 2015 (Page: 270) – TYPES: HT + PT - TUMZ, PT - ZISP
- Scutacarus sibiriensis* Khaustov, 2015 (Page: 356) – TYPES: HT + PT - TUMZ, PT - ZISP
- Spinibdella tabarii* Paktinat-Saeed & Bagheri, 2015 (Page: 696) – TYPES: HT + PT - ALUM, PT - JAZM, ACASI
- Stibarokris annae* Glowska, 2015 (Page: 74) – TYPES: HT + PT - USNM, PT - AMU
- Stibarokris annae* Glowska, 2015 (Page: 74) – TYPES: HT + PT - USNM, PT - AMU
- Stigmaeus jalili* Fakhari, Khanjani & Rahmani, 2015 (Page: 783) – TYPES: HT - CALBS, PT - NCA-PPRI
- Stigmaeus sariensis* Bagheri, 2015 (Page: 286) – TYPES: HT - ALUM, PT - JAZM
- Stigmaeus tolstikovi* Khaustov, 2015 (Page: 682) – TYPES: HT + PT - TUMZ
- Stigmaeopsis tegmentalis* Saito & Lin, 2016 (Page: 467) – TYPES: HT + AT + PT - NZMC
- Stigmaeopsis temporalis* Saito & Ito, 2016 (Page: 465) – TYPES: HT + AT + PT - HUS
- Syringophiloidus apus* Skoracki, Kaszewska & Kavetska, 2015 (Page: 584) – TYPES: HT + PT - AMU, PT - ZSM, ZISP
- Syringophiloidus auduboni* Skoracki, Spicer & OConnor, 2016 (Page: 462) – TYPES: HT + PT - AMU, PT - FMNH, UMMZ, ZISP
- Syringophiloidus catesbyi* Skoracki, Spicer & OConnor, 2016 (Page: 470) – TYPES: HT + PT - FMNH, PT - AMU
- Syringophiloidus nkaii* Klimovicova, Skoracki, Njoroge & Hromada, 2016 (Page: 188) – TYPES: HT - AMU, PT - LMEE
- Syringophilopsis bartrami* Skoracki, Spicer & OConnor, 2016 (Page: 477) – TYPES: HT + PT - UMMZ, PT -

AMU

- Syringophilopsis bonariensis* Skoracki, Mironov, Hernandez & Valim, 2016 (Page: 253) – TYPES: HT + PT - MZUSP, PT - AMU, ZISP
- Syringophilopsis wilsoni* Skoracki, Spicer & OConnor, 2016 (Page: 474) – TYPES: HT + PT - AMU, PT - FMNH
- Tenuipalpus budensis* Ueckermann & Ripka, 2016 (Page: 1009) – TYPES: HT + PT - NFCSO
- Tenuipalpus erbei* Kane, Castro & Ochoa, 2016 (Page: 113) – TYPES: HT - NMHN, PT - DZSJRP
- Tenuipalpus spinosaurus* Castro, Feres & Ochoa, 2016 (Page: 356) – TYPES: HT + PT - DZSJRP, PT - NMNH
- Tetranychus hirsutus* Zeity & Srinivasa, 2016 (Page: 421) – TYPES: HT + PT - AINP
- Torotroglia synallaxis* Skoracki, Mironov, Hernandez & Valim, 2016 (Page: 252) – TYPES: HT + PT - MZUSP, PT - AMU, ZISP
- Trombiculindus kosapani* Stekolnikov, 2016 (Page: 326) – TYPES: HT + PT - ZISP
- Tydeus shabestariensis* Akbari, Haddad & Kazmierski, 2015 (Page: 265) – TYPES: HT + PT - TUAC, PT - ARC-PPRI
- Ultratenuipalpus jubatus* Otley, Beard & Seeman, 2016 (Page: 290) – TYPES: HT + PT - QM, PT - ANIC
- Walchia chavali* Stekolnikov, 2016 (Page: 335) – TYPES: HT + PT - ZISP

New families

- Chulacaridae* Fuangarworn, Lekprayoon & Butcher, 2016 (Page: 528) – Typ. gen.: *Chulacarus* Fuangarworn, Lekprayoon & Butcher, 2016
- Nasutiacaridae* Sidorchuk & Lindquist, 2016 (Page: 299) – Typ. gen.: *Nasutiacarus* Sidorchuk & Lindquist, 2016

New genera

- Apediculaster* Rahiminejad & Hajiqanbar, 2016 (Page: 462) – Typ. sp.: *Apediculaster carpelimus* Rahiminejad & Hajiqanbar, 2016
- Chulacarus* Fuangarworn, Lekprayoon & Butcher, 2016 (Page: 529) – Typ. sp.: *Chulacarus elegans* Fuangarworn, Lekprayoon & Butcher, 2016
- Dewuacarus* Silva-de la Fuente, 2016 (Page: 427) – Typ. sp.: *Dewuacarus lemuensis* Silva-de la Fuente, 2016
- Metapygmephorellus* Rahiminejad, Hajiqanbar & Khaustov, 2015 (Page: 893) – Typ. sp.: *Metapygmephorellus colydius* Rahiminejad & Hajiqanbar, 2015
- Monteustium* Haitlinger & Šundić, 2015 (Page: 1108) – Typ. sp.: *Monteustium marezensi* Haitlinger & Šundić, 2015
- Nasutiacarus* Sidorchuk & Lindquist, 2016 (Page: 299) – Typ. sp.: *Nasutiacarus perplexus* Sidorchuk & Lindquist, 2016
- Neomicrodispus* Hajiqanbar & Hosseininaveh, 2016 (Page: 2) – Typ. sp.: *Neomicrodispus iranicus* Hajiqanbar & Hosseininaveh, 2016
- Ochoanemus* Lofego, Pitton & Rezende, 2016 (Page: 308) – Typ. sp.: *Ochoanemus dux* Lofego, Pitton & Rezende, 2016
- Paracrasocheles* Khaustov, 2015 (Page: 617) – Typ. sp.: *Paracrasocheles clavisetosus* Khaustov, 2015
- Paurotyndareus* Darbemamieh & Kazmierski, 2016 (Page: 399) – Typ. sp.: *Paurotyndareus persicus* Darbemamieh & Kazmierski, 2016
- Proreductodispus* Khaustov & Tolstikov, 2015 (Page: 642) – Typ. sp.: *Proreductodispus patagoniensis* Khaustov & Tolstikov, 2015
- Pseudopenthaleus* Khaustov, 2015 (Page: 927) – Typ. sp.: *Pseudopenthaleus tauricus* Khaustov, 2015

New combinations

- Akrostomma plumosum* (Greenberg, 1952) – [Crossley & Simmons, 2015: 459]
- Betasyringophiloidus seiuri* (Clark, 1964) – [Skoracki, Spicer & OConnor, 2016: 458]
- Biscirus kobachidzei* (Gomelaoui, 1963) – [Paktinat-Saeaj, Bagheri, Saboori & Ahaniazad 2015: 520]
- Extenuipalpus niekerkae* (Meyer, 1979) – [Beard, Otley & Seeman, 2016: 14]
- Extenuipalpus sagittus* (Meyer, 1993) – [Beard, Otley & Seeman, 2016: 14]
- Neopicobia ictericus* (Skoracki & OConnor, 2010) – [Skoracki, Sikora & Spicer, 2016: 33]
- Rafapicobia brotogeri* (Fain, Bochkov & Mironov, 2000) – [Skoracki, Sikora & Spicer, 2016: 73]
- Rafapicobia ramphastos* (Fain, Bochkov & Mironov, 2000) – [Skoracki, Sikora & Spicer, 2016: 73]

New synonyms

- Eutrombidium djordjevici* Saboori & Pesic, 2006 – [Haitlinger & Šundić, 2016: 1339]
= *Eutrombidium trigonum* (Hermann, 1904)
- Picobia polonica* Skoracki, Magowski & Dabert, 2001 – [Skoracki, Sikora & Spicer, 2016: 19]
= *Columbiphilus khushalkhani* Kivganov & Sharafat, 1995
- Pollux walii* Kamran, Afzal & Raz, 2010 – [Saboori, Taemoori & Hakimitabar, 2016: 116]
= *Pollux kovalamicus* Haitlinger, 2002
- Syringophiloidus zonotrichia* Bochkov, Skoracki, Hendricks & Spicer, 2011 – [Skoracki, Spicer & OConnor, 2016: 458]
= *Betasyringophiloidus seiuri* (Clark, 1964)
- Syringophilopsis hylocichlae* Clark, 1964 – [Skoracki, Spicer & OConnor, 2016: 480]
= *Syringophilopsis turdi* (Fritsch, 1958)
- Urigersonus* Mesa, Ochoa & Evans, 2009 – [Beard, Otley & Seeman, 2016: 286]
= *Ultratenuipalpus* Mitrofanov, 1973

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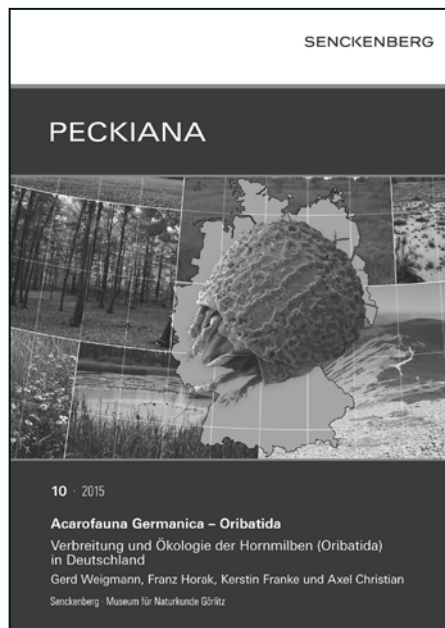
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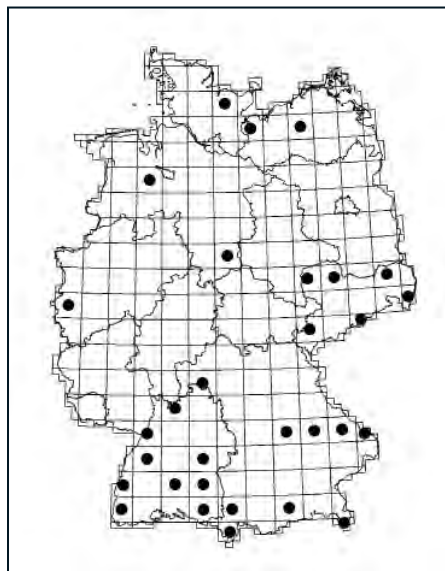
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Verbreitung und Ökologie der Hornmilben (Oribatida) in Deutschland / Distribution and Ecology of Oribatid Mites (Oribatida) in Germany

Gerd Weigmann, Franz Horak, Kerstin Franke und Axel Christian

The fauna presents the regional occurrence of oribatid mites (Oribatida) in Germany on the basis of extensive collection and literature evaluations and presents for the first time distribution maps and biotope preferences for individual species. There are listed evidences of 560 species with information about taxonomic literature, life habits and ecology, there of 65 oribatid mite species newly detected in Germany.



Melanozetes mollicomus (C.L. Koch, 1839)

Taxonomie: **Be** = *Oribates mollicomus* C.L. Koch, 1839 - CMA 30.20 • **Syn** = *Sphaerozetes (Trichoribates) m.* • **Sch** = Weigmann 2006

Biotop: **E, AR, GQ, MD, MH, W, WL, WM, WN, WT, WZ**

Lebensweise: **ar, bo, el, ep**

Vorkommen: **BW, BY, MV, NI, NW, SH, SN**

Anmerkungen: Eurytop, bevorzugt in Hochmooren und Waldböden.

Kürzel code Biotop habitats

E	Eurytop (relevante Vorkommen in mehr als 3 Biotop-Gruppen (S, L, W,...) eurytopic (relevant occurrence in more than 3 habitat types (as S, L, W,...))
S	Meeresküstenbiotope <i>seashore habitats</i>
SG	Salzgrünland, Brackwasserröhrichte <i>salt meadows, brackish reeds</i>
SD	Küstendünen <i>coastal dunes</i>
SK	Fels- und Steinküsten <i>rocky and stony shores</i>
G	Binnengewässer <i>freshwater biotopes</i>
GQ	Quellen, Quellabfluss <i>springs, spring runoff</i>
GF	fließende Gewässer <i>water courses</i>
GS	stehende Gewässer <i>standing water</i>

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16 (3) · 2016

Russell, D. & K. Franke

Actinedida No. 15	1–37
Acarological literature	2
Publications 2016	2
Publications 2015	9
Publications, additions 2014	19
Publications, additions 2013	20
Publications, additions 2012	21
Publications, additions 2011	21
Nomina nova	23
New species	24
New families	29
New genera	29
New combinations	30
New synonyms	30
Addresses	31