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# ACARI

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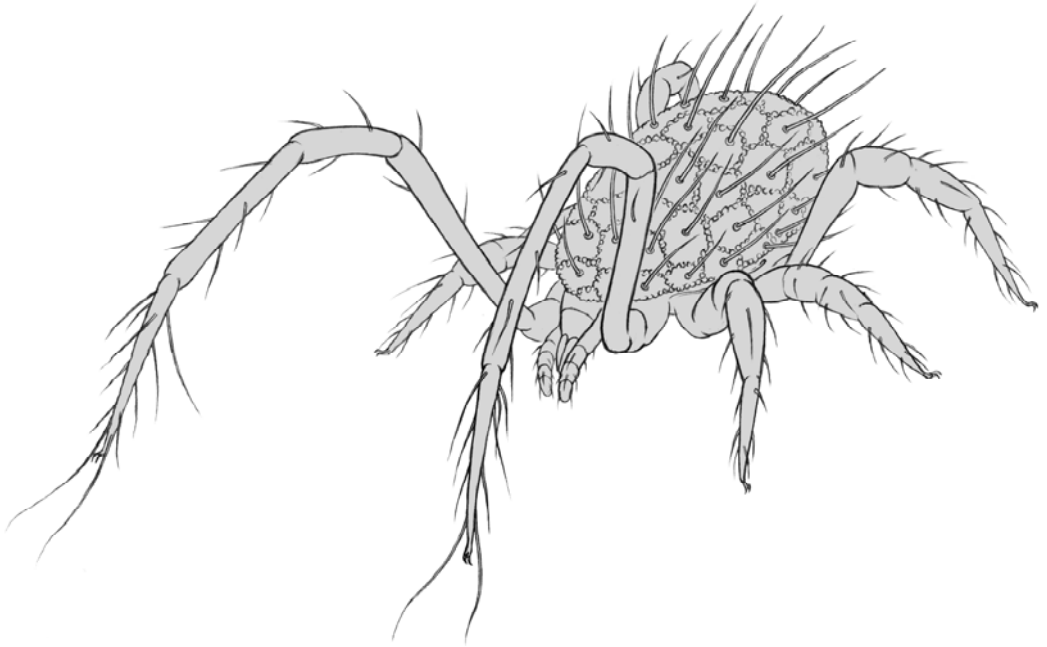

## Mesostigmata

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# ACARI

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# Mesostigmata No. 21

Axel Christian & Kerstin Franke
Senckenberg Museum für Naturkunde Görlitz

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 226 titles by researchers from 39 countries. In these publications, 90 new species and genera are described. The majority of articles concern taxonomy (31%), ecology (20%), , faunistics (18%), the bee-mite Varroa (6%), and the poultry red mite Dermanyssus (3%).

Please help us keep the literature database as complete as possible by sending us reprints or copies of all your papers on mesostigmatic mites, or, if this is not possible, complete references so that we can include them in the list. Please inform us if we have failed to list all your publications in the Bibliographia.

The database on mesostigmatic mites already contains 14 223 papers and 14 956 taxa. Every scientist who sends keywords for literature researches can receive a list of literature or taxa. **The literature from 1995 to 2007 is searchable on the Internet. The issues 1 to 9 of ACARI can be downloaded free of charge. http://www.naturkundemuseum-goerlitz.de/acarologie/**

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. http://www.naturkundemuseum-goerlitz.de/acarologie/**

## 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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**FARAJI, F. / BAKKER, F. / ROIG, J. (2008): A new species and two records of Phytoseiidae (Acari, Mesostigmata) from Spain. - Rev. Iber. Aracnol. 16: 105-111**

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**MANZANILLA, J. / GARCIA-PARIS, M. / APONTE, O. (2005): Proposal of a new name for *Phyllodromus* DeLeon, 1959 (Acari, Phytoseiidae), a junior homonym of *Phyllodromus* Jiménez de la Espada, 1875 (Anura, Dendrobatidae). - Fla. Entomol. 89,1: 98**

## 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:

*Lasioseius minor* Kaluz, 2009 (Page: 1157[1]) – TYPES: HT[2] + PT[2] - SNM[3]
1 – first page of the description
2 – holotype (HT), paratypes (PT) or syntypes (ST)
3 – abbreviations of the places of storage of new species, as far as they were cited in the publications

Abbreviations of the places of storage of new types

AETMU - **A**carological Collection, Department of **E**ntomology, **T**arbiat **M**odares **U**niversity, Tehran, Iran
AMMS - **A**cademy of **M**ilitary **M**edical **S**ciences, Institute of Microbiology and Epidemiology, Entomology Gallery, Beijing, China
AMNH - **A**merican **M**useum of **N**atural **H**istory, New York, USA
ANIC - **A**ustralian **N**ational **I**nsect **C**ollection, CSIRO Division of Entomology, Canberra, Australia
BMNH - **B**ritish **M**useum of **N**atural **H**istory, Department of Entomology, London, United Kingdom
CMH - **C**ollection **M**ike **H**eddergott, Heiligenstadt, Germany
CNC - **C**anadian **N**ational **C**ollection of Insects, Arachnids and Nematodes, Ottawa, Canada
CSK - **C**ollection **S**hahrooz **K**azemi, Kerman, Iran
DAAPV - **D**ipartimento di **A**gronomia **A**mbientale e **P**roduzioni **V**egetali, Università degli Studi di Padova, Padua, Italia
DZPU - **D**epartment of **Z**oology of **P**amukkale **U**niversity, Denizli, Turkey
DZSJRP - **D**epartamento de **Z**oologia, Campus de **S**.**J**. do **R**io **P**reto, Universidade Estadual Paulista, Sao Paulo, Brazil
ESALQ/USP - **E**scola **S**uperior de **A**gricultura "**L**uiz de **Q**ueiroz", **U**niversidade de **S**ao **P**aulo, Departamento de Entomologia, Fitopatologia e Zoologia Agricola, Piracicaba, Brazil
FIOC - **F**undacao **I**nstituto **O**swaldo **C**ruz, Rio de Janeiro, Brazil
FMNH - **F**ield **M**useum of **N**atural **H**istory, Chicago, USA
GZU - **G**ui**Z**hou **U**niversity, Institute of Entomology, Guiyang, China
HNHM - **H**ungarian **N**atural **H**istory **M**useum, Budapest, Hungary
HWML - **H**arold **W**. **M**anter **L**aboratory of Parasitology, University of Nebraska-Lincoln, Lincoln, Nebraska, USA
IBSP - **I**nstituto **B**utantan, **S**ao **P**aulo, Brazil
INBio - **I**nstituto **N**acional de **Bio**diversidad, Santa Domingo, Costa Rica
LEE/CEIB - **L**aboratório de **E**ntomologia **E**conomica, **C**entro **E**xperimental Central do **I**nstituto **B**iologico, Campinas, SP, Brazil
MEG - **M**edical **E**ntomology **G**allery, Academy of Military Medical Sciences, Beijing, China
MNHG - **M**uséum d'**H**istoire **N**aturelle, **G**eneva, Switzerland
MLP - **M**useo de **L**a **P**lata, Universidad Nacional de La Plata, Division de Entomologia, La Plata, Argentina
MNHN - **M**uséum **N**ational d'**H**istoire **N**aturelle, Laboratoire de Zoologie (Arthropodes), Paris, France
MNB - **M**useum of **N**atural History, Humboldt-University, **B**erlin, Germany
MZB - **M**useum **Z**oologicum **B**ogoriense, Bogor, Indonesia
MZUNAV - **M**useum of **Z**oology, **UN**iversity of **NAV**arra, Pamplona, Spain
NBPBC - **N**ational **B**ase of **P**lague and **B**rucellosis **C**ontrol, Baicheng City, Jilin Province, China
NHML - **N**atural **H**istory **M**useum, Department of Entomology, **L**ondon, United Kingdom
NMNS - **N**ational **M**useum of **N**atural **S**ciences, Madrid, Spain
NMNST - **N**ational **M**useum of **N**atural **S**ciences, **T**aichung, Taiwan
OSAL - **O**hio **S**tate University, **A**carology **L**aboratory, Columbus, Ohio, USA

RMNH - National Museum of Natural History Naturalis formely **R**ijks **M**useum van **N**atuurlijke **H**istorie, Leiden, The Netherlands
SIZ - **S**chmalhausen **I**nstitute of **Z**oology, National Academy of Sciences of Ukraine, Kiev, Ukraine
SMNG - **S**enckenberg **M**useum für **N**aturkunde **G**örlitz, Görlitz, Germany
SNM - **S**lovak **N**ational **M**useum, Bratislava, Slovakia
SupAgro/INRA Centre International d'études **Sup**érieures en Sciences **Agro**nomiques / L'**I**nstitut **N**ational de la **R**echerche **A**gronomique, Montpellier, France
UESC - **U**niversidade **E**stadual de **S**anta **C**ruz, Ilhéus, BA, Brazil
UFRPE - **U**niversidade **F**ederal **R**ural de **PE**rnambuco, Recife, Brazil
UNESP - **UN**iversidade **ES**tadual **P**aulista, Sao Paulo, Brazil
USNM - **U**nited **S**tates **N**ational **M**useum of Natural History, Washington, USA
ZIHU - **Z**oological **I**nstitute, Faculty of Science, **H**okkaido **U**niversity, Sapporo, Japan
ZMAU - **Z**oological **M**useum of **A**tatürk **U**niversity, Erzurum, Turkey
ZMH - **Z**oological **M**useum of University Helsinki, **H**elsinki, Finland
ZSM - **Z**oologische **S**taatssammlung **M**ünchen, München, Germany

## New species

*Afrotrachytes bercziki* Kontschán, 2009 (Page: 41) – TYPES: HT + PT - HNHM
*Afrotrachytes mirabilis* Kontschán, 2009 (Page: 43) – TYPES: HT + PT - NHML
*Amblyseiella antonii* Kolodochka & Omeri, 2010 (Page: 38) – TYPES: HT - SIZ
*Amblyseius (Pauciseius) valsoensis* Karg & Huhta, 2009 (Page: 512) – TYPES: HT - ZMH
*Amblyseius tavasticus* Karg & Huhta, 2009 (Page: 514) – TYPES: HT + PT - ZMH
*Androlaelaps abrothrix* Gettinger & Lareschi, 2009 (Page: 162) – TYPES: HT + PT - MLP, PT - HWML, FIOC, IBSP, FMNH
*Androlaelaps misionalis* Lareschi, 2010 (Page: 200) – TYPES: HT + PT - MLP, PT - IBSP
*Antennoseius (Vitzthumia) kamalii* Moraza & Kazemi, 2009 (Page: 60) – TYPES: HT + PT - MZUNAV, PT - CSK, OSAL
*Antennoseius quadrispinosus* Gwiazdowicz & Haitlinger, 2010 (Page: 102) – TYPES: HT + PT - NHML
*Antennoseius ventrianalis* Gwiazdowicz & Halliday, 2010 (Page: 126) – TYPES: HT + PT - ANIC
*Anystipalpus kazemii* Lindquist & Moraza, 2009 (Page: 28) – TYPES: HT - AETMU
*Anystipalpus labiduricola* Lindquist & Moraza, 2009 (Page: 23) – TYPES: HT + PT - AETMU, PT - MZUNAV, CNC
*Arrenoseius gaucho* Ferla, Da Silva & De Moraes, 2010 (Page: 15) – TYPES: HT + PT - ESALQ/USP
*Bloszykiella africana* Kontschán, 2010 (Page: 64) – TYPES: HT + PT - HNHM, PT - MHNG
*Brasiluropoda costaricana* Kontschán, 2009 (Page: 27) – TYPES: HT + PT - HNHM
*Cilliba vellas* Kontschán, 2010 (Page: 33) – TYPES: HT + PT - HNHM, PT - MHNG
*Cosmolaelaps leptochaetes* Ma & Lin, 2009 (Page: 30) – TYPES: HT + PT - AMMS
*Cosmolaelaps quasiclaviger* Ma & Lin, 2009 (Page: 39) – TYPES: HT + PT - AMMS
*Cosmolaelaps robustochaetes* Ma & Lin, 2009 (Page: 29) – TYPES: HT + PT - AMMS
*Cyllibula forroi* Kontschán, 2009 (Page: 30) – TYPES: HT + PT - HNHM
*Dendrolaelaps ningxiaensis* Ma & Bai, 2009 (Page: 75) – TYPES: HT + PT - MEG
*Depressorotunda malayana* Kontschán, 2010 (Page: 1463) – TYPES: HT + PT - NHML, PT - HNHM
*Depressorotunda mirifica* Kontschán, 2010 (Page: 1470) – TYPES: HT - HNHM
*Depressorotunda seticaudata* Kontschán, 2010 (Page: 1465) – TYPES: HT + PT - NHML
*Depressorotunda thailandica* Kontschán, 2010 (Page: 1468) – TYPES: HT - MHNG, PT - HNHM
*Dermanyssus apodis* Roy, Dowling, Chauve & Buronfosse, 2009 (Page: 459) – TYPES: HT + PT - MNHN
*Euseius gallicus* Kreiter & Tixier, 2010 (Page: 242) – TYPES: HT + PT - SupAgro/INRA
*Gamasiphis turgicalcareus* Ma, 2009 (Page: 78) – TYPES: HT + PT - NBPBC
*Glyptholaspis merapiensis* Hartini, Dwibadra & Takaku, 2009 (Page: 417) – TYPES: HT - MZB, PT - ZIHU
*Holostaspella oblonga* Hartini & Takaku, 2010 (Page: 111) – TYPES: HT + PT - MZB, PT - ZIHU
*Holostaspella villosa* Hartini & Takaku, 2010 (Page: 113) – TYPES: HT + PT - MZB, PT - ZIHU
*Hypoaspis (Gaeolaelaps) brevior* Faraji & Halliday, 2009 (Page: 252) – TYPES: HT - ANIC, PT - BMNH, RMNH, USNM

*Hypoaspis (Gaeolaelaps) calamitus* Faraji & Halliday, 2009 (Page: 258) – TYPES: HT - ANIC, PT - BMNH, RMNH, USNM
*Hypoaspis (Gaeolaelaps) concavus* Faraji & Halliday, 2009 (Page: 246) – TYPES: HT - ANIC, PT - BMNH, RMNH, USNM
*Hypoaspis (Gaeolaelaps) segregatus* Faraji & Halliday, 2009 (Page: 249) – TYPES: HT - ANIC, PT - BMNH, RMNH, USNM
*Hypoaspis (Gaeolaelaps) variabilis* Faraji & Halliday, 2009 (Page: 254) – TYPES: HT - ANIC, PT - BMNH, RMNH, USNM
*Hypoaspis guiyangensis* Ma & Lin, 2009 (Page: 28) – TYPES: HT - AMMS
*Hypoaspis xiningensis* Ma & Lin, 2009 (Page: 28) – TYPES: HT + PT - AMMS
*Kaszabjbaloghia ecuadorica* Kontschán, 2010 (Page: 141) – TYPES: HT + PT - HNHM
*Lasioseius minor* Kaluz, 2009 (Page: 1157) – TYPES: HT + PT - SNM
*Macrocheles pumilus* Hartini, Dwibadra & Takaku, 2009 (Page: 423) – TYPES: HT - MZB, PT - ZIHU
*Macrocheles turgoensis* Hartini, Dwibadra & Takaku, 2009 (Page: 421) – TYPES: HT - MZB, PT - ZIHU
*Macronyssus jingyuanensis* Bai & Ma, 2010 (Page: 179) – TYPES: HT + PT - AMMS
*Macronyssus paradovskyi* Tian, Jin & Zhang, 2009 (Page: 419) – TYPES: HT + PT - GZU
*Opilioseius grallator* Lindquist & Moraza, 2010 (Page: 15) – TYPES: HT + PT - INBio, PT - CNC, MZUNAV
*Pachylaelaps tsengyihsiungi* Ma, Ho & Wang, 2008 (Page: 243) – TYPES: HT + PT - NMNST
*Podocinum pintungense* Ho, Ma & Wang, 2009 (Page: 83) – TYPES: HT + PT - NMNST, PT- OSAL
*Proprioseiopsis (Amblyseiulus) savonicus* Karg & Huhta, 2009 (Page: 516) – TYPES: HT + PT - ZMH, PT - SMNG
*Proprioseiopsis biologicus* Lofego, Demite & De Moraes, 2009 (Page: 51) – TYPES: HT + PT - UNESP, PT - DZSJRP, ESALQ/USP, LEE/CEIB
*Proprioseiopsis versus* De Castro, De Moraes & McMurty, 2010 (Page: 41) – TYPES: HT - INBio
*Prozercon celali* Urhan, 2010 (Page: 133) – TYPES: HT + PT - DZPU
*Prozercon cretensis* Ujvári, 2008 (Page: 102) – TYPES: HT + PT - HNHM
*Prozercon martae* Ujvári, 2010 (Page: 1674) – TYPES: HT + PT - HNHM
*Prozercon rekaae* Ujvári, 2008 (Page: 100) – TYPES: HT + PT - HNHM
*Prozercon semiseparatus* Ujvári, 2009 (Page: 64) – TYPES: HT + PT - HNHM
*Rotundabaloghia brasiliensis* Kontschán, 2009 (Page: 382) – TYPES: HT + PT - HNHM
*Rotundabaloghia browni* Kontschán, 2009 (Page: 36) – TYPES: HT + PT - HNHM, PT - ZSM
*Rotundabaloghia gigantea* Kontschán, 2009 (Page: 384) – TYPES: HT + PT - HNHM
*Rotundabaloghia traseri* Kontschán, 2009 (Page: 386) – TYPES: HT + PT - HNHM
*Rotundabaloghia unisetosa* Kontschán, 2009 (Page: 25) – TYPES: HT + PT - HNHM
*Saprolaelaps stubbi* Heddergott & Eckert, 2009 (Page: 12) – TYPES: HT - BMNH, PT - CMH, MNB, AMNH
*Trachytes parnonensis* Kontschán, 2010 (Page: 30) – TYPES: HT + PT - HNHM, PT - MHNG
*Trachyuropoda newtoni* Kontschán, 2010 (Page: 123) – TYPES: HT + PT - HNHM
*Transeius costarricensis* De Castro, De Moraes & McMurty, 2010 (Page: 44) – TYPES: HT - INBio, PT - CNC
*Trichouropoda dentata* Kontschán, 2006 (Page: 184) – TYPES: HT + PT - HNHM
*Trichouropoda kinsella* Kontschán, 2010 (Page: 212) – TYPES: HT - CNC, PT - HNHM
*Trichouropodella punctata* Kontschán, 2010 (Page: 132) – TYPES: HT + PT - HNHM
*Trichouropodella ujvarii* Kontschán, 2010 (Page: 130) – TYPES: HT + PT - HNHM
*Typhlodromips theobromae* De Souza, Oliveira & Gondim, 2010 (Page: 49) – TYPES: HT - UESC, PT - ESALQ/USP, UFRPE
*Typhlodromus (Anthoseius) yasminae* Faraji, 2008 (Page: 106) – TYPES: HT + PT - NMNS, PT - MNHN, RMNH
*Typhlodromus (Typhlodromus) octogenipilus* Kreiter, Tixier & Duso, 2010 (Page: 176) – TYPES: HT - SupAgro/INRA, PT - DAAPV
*Uroobovella graeca* Kontschán, 2010 (Page: 32) – TYPES: HT + PT - HNHM, PT - MHNG
*Uroobovella panamensis* Kontschán, 2010 (Page: 127) – TYPES: HT + PT - HNHM
*Uroobovella vazquezae* Kontschán, 2010 (Page: 148) – TYPES: HT + PT - HNHM
*Uropoda amplaformis* Kontschán, 2010 (Page: 125) – TYPES: HT + PT - HNHM

*Veigaia transylvanica* Kontschán & Ujvári, 2008 (Page: 348) – TYPES: HT + PT - HNHM
*Zercon berczik*i Ujvári, 2009 (Page: 75) – TYPES: HT + PT - HNHM
*Zercon cokelazicus* Urhan, 2009 (Page: 322) – TYPES: HT + PT - DZPU
*Zercon csuzdii* Ujvári, 2009 (Page: 78) – TYPES: HT + PT - HNHM
*Zercon danyii* Ujvári, 2010 (Page: 1681) – TYPES: HT + PT - HNHM
*Zercon domanicensis* Urhan, 2009 (Page: 92) – TYPES: HT + PT - DZPU
*Zercon honazicus* Urhan, 2009 (Page: 97) – TYPES: HT + PT - DZPU, PT - ZMAU
*Zercon kallimcii* Urhan, 2010 (Page: 170) – TYPES: HT + PT - DZPU
*Zercon laczii* Ujvári, 2010 (Page: 1686) – TYPES: HT + PT - HNHM
*Zercon lanceolatus* Ujvári, 2010 (Page: 1689) – TYPES: HT + PT - HNHM
*Zercon yusufi* Urhan, 2009 (Page: 94) – TYPES: HT + PT - DZPU

### New genera

*Bloszykiella* Kontschán, 2010 (Page: 63)
Typ. sp.: *Bloszykiella africana* Kontschán, 2010
*Depressorotunda* Kontschán, 2010 (Page: 1462)
Typ. sp.: *Depressorotunda malayana* Kontschán, 2010
*Geotrupacarus* Krantz, 2009 (Page: 48)
Typ. sp.: *Macrocheles mycotrupetes* Krantz & Mellott, 1968
*Opilioseius* Lindquist & Moraza, 2010 (Page: 4)
Typ. sp.: *Opilioseius grallator* Lindquist & Moraza, 2010

### New combinations

*Africola asperatus* (Schuster & Summers, 1978) – [Kocak & Kemal, 2008: 2]
*Africola clypeolus* (Schuster & Summers, 1978) – [Kocak & Kemal, 2008: 2]
*Anystipalpus livshitsi* (Eidelberg, 1989) – [Lindquist & Moraza, 2009: 18]
*Blaszakia pulcher* (Blaszak, 1984) – [Kocak & Kemal, 2008: 5]
*Blaszakzercon pulcher* (Blaszak, 1984) – [Kemal & Kocak, 2009: 10]
*Hutufeideria hirschmanni* (Hiramatsu, 1978) – [Kontschán, 2010: 139]
*Leonacarus leiodis* (De Leon, 1959) – [Manzanilla, Garcia-Paris & Aponte, 2005: 98]
*Leonacarus trisetatus* (De Moraes & Melo, 1997) – [Manzanilla, Garcia-Paris & Aponte, 2005: 98]
*Neojordensia (Kandila) asetosa* (Kandil, 1979) – [Kocak & Kemal, 2008: 2]
*Vulgarogamasus sphecophilus* (Cooreman, 1945) – [Baker & Foster, 2009: 52]

### New synonyms

*Antennoseius (Antennoseius) nataliae* Eidelberg, 1990 – [Lindquist & Moraza, 2009: 14]
= Anystipalpus percicola Berlese, 1911
*Antennoseius ukrainicus* Sklyar, 1994 – [Lindquist & Moraza, 2009: 18]
= Anystipalpus livshitsi (Eidelberg, 1989)
*Asternolaelaps putriligneus* Kaczmarek, 1984 – [Gwiazdowicz, 2010: 10]
= Asternolaelaps fecundus Berlese, 1923
*Asternolaelaps querci* Wisniewski & Hirschmann, 1984 – [Gwiazdowicz, 2010: 10]
= Asternolaelaps fecundus Berlese, 1923
*Poecilochirus britannicus* Hyatt, 1986 – [Baker & Foster, 2009: 52]
**=** Vulgarogamasus sphecophilus (Cooreman, 1945)
*Seiulus (Typhloctonus) arutunjani* Kuznetsov, 1984 – [Kolodochka, 2009: 488]
= Typhloctonus tuberculatus (Wainstein, 1958)
*Sejus posnaniensis* Hirschmann & Kaczmarek, 1991 – [Gwiazdowicz, 2010: 47]
= Sejus sejiformis (Balogh, 1938)

### New names

*Africola* Kocak & Kemal, 2008 pro Notoporus Schuster & Summers, 1978 – [Kocak & Kemal, 2008: 2]
*Blaszakia* Kocak & Kemal, 2008 pro Allozercon Blaszak, 1984 non Vitzthum, 1926 – [Kocak & Kemal, 2008: 5]
*Blaszakzercon* Kemal & Kocak, 2009 pro Blaszakia Kocak & Kemal, 2008 – [Kemal & Kocak, 2009: 10]
*Leonacarus* Manzanilla, Garcia-Paris & Aponte, 2005 pro Phyllodromus De Leon, 1959 – [Manzanilla, Garcia-Paris & Aponte, 2005: 98]
*Neojordensia (Kandila)* Kocak & Kemal, 2008 pro Neojordensia (Evansia) Kandil, 1979 – [Kocak & Kemal, 2008: 1]

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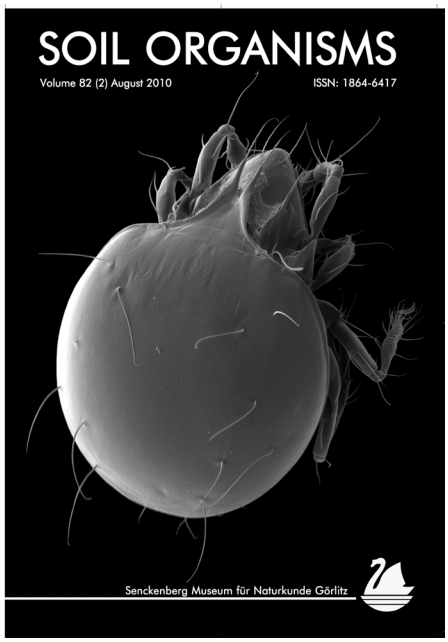


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