

# MITES OF THE FAMILY ZERCONIDAE (ACARI: MESOSTIGMATA) OF THE NEARCTIC REGION

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**Abstract.**— The fauna of zerconid mites (Acari: Mesostigmata: Zerconidae) of the Nearctic region is comprehensively revised. All known 69 species grouped in 26 genera occurring in the Nearctic region are examined. Five new genera are proposed: *Betaechinozercon* **gen. nov.**, *Neoechinozercon* **gen. nov.**, *Paramixozzercon* **gen. nov.**, *Rafaskas* **gen. nov.**, and *Whartonas* **gen. nov.** Twelve new species are described: *Amerozzercon briareus* **sp. nov.**, *Bakeras evansi* **sp. nov.**, *Microzercon yamoriae* **sp. nov.**, *Paramixozzercon alaskanus* **sp. nov.**, *P. aoki* **sp. nov.**, *Rafaskas blaszaki* **sp. nov.**, *Zercon lucidus* **sp. nov.**, *Z. manitous* **sp. nov.**, *Z. morazae* **sp. nov.**, *Z. raveni* **sp. nov.**, *Z. oregonus* **sp. nov.**, and *Z. skorackii* **sp. nov.** The following new combinations are proposed: *Blaszakiella mahunkai* (Ujvári, 2013) **comb. nov.**, *B. pardus* (Ujvári, 2013) **comb. nov.**, *Paramixozzercon jasoniana* (Díaz-Aguilar et Ujvári, 2010) **comb. nov.**, *P. albertanensis* (Díaz-Aguilar et Ujvári, 2010) **comb. nov.**, *P. borealis* (Díaz-Aguilar et Ujvári, 2010) **comb. nov.**, *Betaechinozercon americanus* (Błaszak, 1982) **comb. nov.**, *Neoblaszakiella alaskaensis* (Ujvári, 2013) **comb. nov.**, *N. luiseae* (Ujvári, 2013) **comb. nov.**, *N. nudus* (Ujvári, 2013) **comb. nov.**, and *Whartonas krantzi* (Błaszak, 1980) **comb. nov.** The genera, *Mixozzercon* Halašková, 1963 and *Echinozercon* Błaszak, 1976 are excluded from the list of the Nearctic zerconid genera. Keys to the zerconid genera and all Nearctic species are provided. Main aspects of the zoogeography of the family Zerconidae are discussed.



**Key words.**— Acari, Zerconidae, Nearctic region, North America, soil fauna.

# NEW ERIOPHYOID MITES (ACARI: ERIOPHYOIDEA) FROM SILVER FIR (*ABIES ALBA* MILL.) IN POLAND

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**Abstract.**— Three new species of eriophyid mites are described from silver fir *Abies alba* Mill. in Poland: *Trisetacus monteabietus* **sp. nov.** from family Phytoptidae, *Cupacarus octogibbus* **sp. nov.** and *Tegonotus carpathicus* **sp. nov.** from family Eriophyidae. *Nalepella danica* Boczek, Harding et Shi inhabiting *A. alba*, *A. concolor* (Gord. et Glend.) Lindl. ex Hildebr and *A. lasiocarpa* (Hook.) Nutt. has been recorded for the first time in Poland. All the plant species are new hosts for *N. danica*.



**Key words.**— Eriophyoidea, new species, new record, Pinaceae, taxonomy

DESCRIPTIONS OF TWO NEW SPECIES OF  
*AUSTROPHTHIRACARUS* BALOGH ET MAHUNKA,  
A NEWLY RECORDED GENUS OF PTYCTIMOUS MITES  
FROM CHINA (ACARI: ORIBATIDA: PHTHIRACARIDAE)

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**Abstract.**— The oribatid mite genus *Austrophthiracarus* Balogh et Mahunka (Phthiracaridae) is recorded for the first time from China. Two new species of *Austrophthiracarus* are described: *A. filiformis* **sp. nov.** and *A. longisetosus* **sp. nov.** Their morphological descriptions and illustrations are given.



**Key words.**— Soil mites, Oribatida, Phthiracaridae, *Austrophthiracarus*, new species, China.

**NEW SPECIES AND NEW RECORD OF THE GENUS  
*CAESARODISPUS* (ACARI: HETEROSTIGMATINA:  
MICRODISPIDAE) PHORETIC ON *TEMNOTHORAX* SP.  
(HYMENOPTERA: FORMICIDAE)**

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**Abstract.**— A new species, *Caesarodispus shandizensis* sp. nov. (Acari: Heterostigmatina: Microdispidae) associated with ants of the genus *Temnothorax* Mayr (Hymenoptera: Formicidae) from northeastern Iran is described. We also found *Caesarodispus minutus* (Sevastianov, 1981) associated with *Temnothorax* sp. These findings provide a new association between the mite genus *Caesarodispus* and ants of the genus *Temnothorax*. A key to world species of the genus *Caesarodispus* is provided and the host range of the mite genus is reviewed, showing that all ant hosts of the mite genus belong to the subfamily Myrmicinae (Hymenoptera: Formicidae).



**Key words.**— mite-ant associations, phoresy, new species, Palearctic, Iran.

# SOME OBSERVATIONS ON *OGMA AQUITANENSE* (FIES, 1968) (NEMATODA: TYLENCHIDA: CRICONEMATIDAE)

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**Abstract.**— This article provides new morphological and molecular data for *Ogma aquitanense* (Fies, 1968). This is the first report on the occurrence of this nematode in Poland and the second record in Europe. Our specimens correspond well with those from France described by Fies (1968), and Baujard and Luc (1985). Descriptions of partial sequences of 18S rDNA and 28S rDNA for *O. aquitanense* are also given.



**Key words.**— morphology, morphometrics, *Ogma aquitanense*, new record from Poland, 18S rDNA, 28S rDNA.

# NEW SPECIES OF THE GENUS *LAENA* DEJEAN (COLEOPTERA: TENEBRIONIDAE) FROM SOUTHEASTERN ASIA (2)

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**Abstract.**— Ten new species of the genus *Laena* Dejean, 1821 (Tenebrionidae: Lagriinae) are described from the Malayan Peninsula (*L. benderaica* **sp. nov.**, *L. jeraica* **sp. nov.**, *L. kelantanica* **sp. nov.**, *L. penangica* **sp. nov.**, *L. tanahratika* **sp. nov.**), Thailand (*L. ellenae* **sp. nov.**) and Laos (*L. brancuccii* **sp. nov.**, *L. geiseri* **sp. nov.**, *L. kresli* **sp. nov.**, *L. pacholatkoii* **sp. nov.**). The aedeagus of *L. champasaka* is figured for the first time. Identification keys are added for the 18 species from Malaysia and for the 7 species from Laos; the species from Laos are mapped.



**Key words.**— Tenebrionidae, Lagriinae, *Laena*, new species, taxonomy, Malaysia, Thailand, Laos.

# A REVIEW OF THE SUBGENUS *NEOPULLUS* OF *SCYMNUS* (COLEOPTERA: COCCINELLIDAE) FROM CHINA

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**Abstract.**— The subgenus *Neopullus* of *Scymnus* Kugelann, 1794 from China is herein revised. Eighteen species are documented from China, including four new species described here: *Scymnus* (*Neopullus*) *nigroventralis* Chen et Ren, *S. (N.) brevicollis* Chen et Ren, *S. (N.) lulangicus* Chen et Ren and *S. (N.) quercanus* Chen et Ren, **spp. nov.** Diagnoses, detailed descriptions, illustrations and distributions are provided for each species. A key to Chinese species is given.



**Key words.**— Coleoptera, Coccinellidae, *Scymnus*, subgenus *Neopullus*, review, new species, China.

***AMPHISTETHUS BIWENXUANI*, NEW SPECIES  
OF ENDOMYCHIDAE FROM XIZANG, CHINA  
(COLEOPTERA: CUCUJOIDEA)**

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**Abstract.**— *Amphistethus biwenxuani* sp. nov. from Xizang, China is described and illustrated. Key to the species of *Amphistethus* is updated, based on the key of Tomaszewska (2001).



**Key words.**— Coleoptera, Endomychidae, Lycoperdininae, taxonomy, new species.