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***Gammarus* species from River Jumahe, China (Crustacea, Amphipoda, Gammaridae)**

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***Gammarus* species from River Jumahe, China (Crustacea, Amphipoda, Gammaridae).** - Three *Gammarus* species are reported from River Jumahe. *Gammarus madidus* sp. n. is characterized by antenna 2 with groups of long setae along the anterior and posterior margins, inner ramus of uropod 3 reaching about 40% of length of outer ramus and both rami fringed with long simple setae. *G. lacustris* Sars, 1863 is distinguished by epimeral plates 2 and 3 with sharp posterodistal corners, inner ramus of uropod 3 reaching about 75% of length of outer ramus and both rami armed with plumose setae. *G. nekkensis* Uchida, 1935 differs from congeneric species by pereopod 3 with long curled setae on the posterior margin and inner ramus of uropod 3 reaching 50% of outer ramus. Distribution data of these gammarids are presented.

Keywords: Amphipoda - *Gammarus* - new species - taxonomy - China.

Über eine neue *Octodrilus*-Art aus Frankreich (Oligochaeta: Lumbricidae)

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On a new *Octodrilus* species from France (Oligochaeta: Lumbricidae). - The new earthworm species *Octodrilus juvyi* sp. n. is described and the taxonomic differences among the red, small bodied *Octodrilus* species are emphasized.

Keywords: Earthworms - Oligochaeta - Lumbricidae - taxonomy - new species - France.

Description of a new beetle-like psocid (Insecta: Psocoptera: Protoctopsocidae) from Turkey showing an unusual sexual dimorphism

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Description of a new beetle-like psocid (Insecta: Psocoptera: Protoctopsocidae) from Turkey showing an unusual sexual dimorphism. - *Reticulopsocus besucheti* gen. n., sp. n. is described and illustrated from a series of specimens of both sexes collected under stones in southern Turkey. The new genus is closely related to the Mediterranean genera *Chelyopsocus* Lienhard and *Philedaphia* Lienhard. Some illustrations of the type genus of the family, *Protoctopsocus* Mockford, are also provided. Both sexes of the new genus are elytropterous and beetle-like in habitus but the fore wing venation is strongly sexually dimorphic: males have a normal venation, though somewhat simplified, females however, have a highly apomorphic, reticulate venational pattern. A key to the genera of the family Protoctopsocidae is provided.

Keywords: *Reticulopsocus* - *Protoctopsocus* - *Chelyopsocus* - *Philedaphia* - new genus - new species - wing venation - elyptery - soil fauna - Mexico.

Revision of the Oriental Genus *Loeblites* Franz (Coleoptera, Scydmaenidae)

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Revision of the Oriental genus *Loeblites* Franz (Coleoptera, Scydmaenidae). - The Oriental scydmaenid beetle genus *Loeblites* Franz is revised. *Loeblites mastigicornis* Franz from Thailand and *L. sabahensis* Franz from Borneo are redescribed, and a new species, *L. minor* sp. n. from Borneo is described. The general morphology of the genus is described and illustrated in details, including mouthparts, wings, female and male genitalia, and an identification key to the species of *Loeblites* is given.

Keywords: Coleoptera - Scydmaenidae - *Loeblites* - revision - morphology - new species - Oriental region - taxonomy.

On *Hadogenes angolensis* Lourenço, 1999 syn. n. (Scorpiones, Liochelidae), with a redescription of *H. taeniurus* (Thorell, 1876)

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On *Hadogenes angolensis* Lourenço, 1999 syn. n. (Scorpiones, Liochelidae), with a redescription of *H. taeniurus* (Thorell, 1876). - The flat rock scorpion, *Hadogenes taeniurus* (Thorell, 1876), is redescribed, based on an examination of approximately 250 specimens from Angola and Namibia. *Hadogenes angolensis* Lourenço, 1999 is demonstrated to be a junior synonym. The distribution of *H. taeniurus* is mapped, and notes on its ecology and conservation status are provided. The synonymy of *Hadogenes bifossulatus* Roewer, 1943 with *Hadogenes tityrus* (Simon, 1888), rather than with *H. taeniurus*, is confirmed.

Keywords: Scorpiones - Liochelidae - *Hadogenes taeniurus* - *Hadogenes tityrus* - synonymy - Angola - Namibia.

***Astyanax pampa* (Characiformes, Characidae), a new species from the southernmost boundary of the Brazilian subregion, Argentina**

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***Astyanax pampa* (Characiformes, Characidae), a new species from the southernmost boundary of Brazilian subregion, Argentina.** - *Astyanax pampa* sp. n., the new species of characid described herein, is known from arroyo Las Mostazas, an Atlantic Ocean drainage, and the lower río Colorado basin. *Astyanax pampa* sp. n. is distinguished from all other *Astyanax* species by the possession of 17-20 branched anal-fin rays, one maxillary tooth unicuspidate to tricuspidate, short anal-fin base (24.2-30.3% of SL), and long caudal peduncle (10.5-12.7% of SL).

Keywords: Freshwater fishes - characids - Buenos Aires - systematics.

Morphology and systematic status of *Coluber karelini mintonorum* Mertens, 1969 (Reptilia: Squamata: Colubrinae)

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Morphology and systematic status of *Coluber karelini mintonorum* Mertens, 1969 (Reptilia: Squamata: Colubrinae). - Mintons' racer is a valid species of the racer genus *Platyceps* Blyth. It is, so far, only reported from southern Afghanistan and Baluchistan (Iran, Pakistan). Morphologically, *P. mintonorum* (Mertens) differs from all potentially sympatric *Platyceps* spp. Baluchi records of *P. cf. rhodorachis* (Jan) are in need of further studies.

Keywords: *Platyceps mintonorum* - species status - morphology - Afghanistan - Baluchistan - *Platyceps* spp. - sympatry.

Oribatids from Brunei IV (Acari: Oribatida). (*Acarologica Genavensia* CVI)

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Oribatids from Brunei IV (Acari: Oribatida) (*Acarologica Genavensia* CVI). - Fifteen oribatid species are recorded from Brunei; five are new to science and for four of them a new genus (*Nasobelba* gen. n.) is established in the family Suctobelbidae. The following new combinations are proposed: *Nasobelba inenodabilis* (Hammer, 1980) comb. n. (= *Suctobelbella inenodabilis* Hammer, 1980) and *Nasobelba transitoria* (Balogh & Mahunka, 1974) comb. n. (= *Suctobelba transitoria* Balogh & Mahunka, 1974). A list of the hitherto published oribatid species of Brunei is given in addition.

Keywords: Acari - Oribatida - taxonomy - new genus - new species - Brunei.

***Trojanella serbica* gen. n., sp. n., a remarkable new troglobitic travunioid (Opiliones, Laniatores, Travunioidea)**

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***Trojanella serbica* gen. n., sp. n., a remarkable new troglobitic travunioid (Opiliones, Laniatores, Travunioidea).** - A new species of travunioid from Serbia, Mt. Stara Planina, is described and a new genus is established. The new species exhibits some characters and combination of characters not known from any other species. It cannot be placed at this time in any of the described families of the superfamily Travunioidea. Some unknown details of male morphology in *Abasola hofferi* (Travuniidae) are presented.

Keywords: Travunioidea - Mt. Stara Planina - troglobite - Travuniidae - *Abasola hofferi* - penis structure.

First records of Pauropoda (Millotauropodidae; Pauropodidae) from Gabon with the description of 16 new species (Pauropoda and Symphyla of the Geneva Museum XIV)

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First records of Pauropoda (Millotauropodidae; Pauropodidae) from Gabon with description of 16 new species (Pauropoda and Symphyla of the Geneva Museum XIV). - Two collections of Pauropoda (Myriapoda) from Gabon were studied. Twenty-three species were identified, 16 of them are new to science and are described here: *Allopauropus gabonicus* sp. n., *A. akonesis* sp. n., *A. barrai* sp. n., *A. ipassaensis* sp. n., *A. singesensis* sp. n., *A. cleofanus* sp. n., *A. cylindricus* sp. n., *A. suppeditatus* sp. n., *A. isodacintrai* sp. n., *A. stenygros* sp. n., *A. phakoides* sp. n., *A. bovistellus* sp. n., *A. lambdoides* sp. n., *Cauvetauropus pistillifer* sp. n., *Hemipauropus elongatus* sp. n., *H. bilobatus* sp. n. A key to the species of the subgenus *Perissopauropus* in *Allopauropus* is presented. Most species found in tropical West Africa have not been collected elsewhere, indicating a high degree of endemism. Species occurring outside West Africa more often have ranges including the islands of the Indian Ocean and/or south Asia rather than North or South Africa. The wide range element is poor in species.

Keywords: Myriapoda - taxonomy - soil fauna - Africa - biogeography.

Two new taxa of *Galagete* (Lepidoptera, Autostichidae) from the Galápagos Islands, Ecuador

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Two new taxa of *Galagete* (Lepidoptera, Autostichidae) from the Galápagos Islands, Ecuador. - A new species and a new subspecies of the genus *Galagete* (Lepidoptera, Autostichidae) from the Galápagos Islands are described and illustrated. *Galagete griseonana* sp. n., known only from males, is endemic to the island of Santa Cruz. *Galagete pecki flavo-fasciata* ssp. n., known from both sexes, occurs on the islands of Santa Cruz and Santiago, where it is also believed to be endemic.

Keywords: Micro moths - Autostichidae - new species - new subspecies - endemic - Galápagos Islands.

The Western Palaearctic species of *Stenomicra* Coquillett (Diptera, Perisclididae, Stenomicrinae), with description of a new species of the subgenus *Podocera* Czerny

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The Western Palaearctic species of *Stenomicra* Coquillett (Diptera, Perisclididae, Stenomicrinae), with description of a new species of the subgenus *Podocera* Czerny. - *Stenomicra (Podocera) soniae* sp. n. is described from Central and Southeast Europe, and compared with morphologically similar species. The type material of *Stenomicra (Podocera) delicata* (Collin, 1944) is revised and the species redescribed. Both European species of *Podocera* Czerny are illustrated and their biology and distribution reviewed with a number of new records. A key to the four Western Palaearctic species of *Stenomicra* is presented.

Keywords: Perisclididae - *Stenomicra (Podocera)* - new species - Western Palaearctic.

Synonymic note on the monobasic genus *Ophryomedon* Wasmann, 1916 (Coleoptera, Staphylinidae, Paederinae)*

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Synonymic note on the monobasic genus *Ophryomedon* Wasmann, 1916 (Coleoptera, Staphylinidae, Paederinae). - *Ophryomedon marginatus* Naomi, 1995 is designated a junior synonym of *Ophryomedon crenatus* Wasmann, 1916.

Keywords: Staphylinidae - Paederinae - *Ophryomedon crenatus* - *marginatus* - synonymy.

Ten years trends in the oligochaete and chironomid fauna of Lake Neuchâtel (Switzerland)

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Ten years trends in the oligochaete and chironomid fauna of Lake Neuchâtel (Switzerland). - Quantitative surveys of benthic macroinvertebrates (oligochaetes and chironomids) were conducted during 1992, 1997, 2000 and 2002 at a depth of 40 m to monitor the biological quality of sediments in Lake Neuchâtel. Recent declines in frequency of occurrence and abundance of oligochaete species characteristic of oligotrophic conditions (*Stylodrilus heringianus*, *Embolocephalus velutinus*) contrasted with the improvement of water quality metrics. Total phosphorus concentrations in lake waters decreased from 63 mg m⁻³ in 1980 to 10 mg m⁻³ in 2002. Since 1992, significant reductions of total zoobenthic biomass have been recorded and the chironomid community structure reflects typical oligo-mesotrophic conditions in the upper sediment layer. The population of the oligochaete species *Potamothrix vej dovskyi* is in clear expansion and indicates that this new species for the lake (1986) has found good conditions for a successful colonization. These divergent responses within the zoobenthic community are discussed according to three main hypotheses: implications of toxic pollutants like heavy metals and organic micropollutants in the sediment, impact of algae on oxygen conditions on the bottom layer and different biological responses of oligochaetes to competition for food and space.

Keywords: Zoobenthos - biomonitoring - profundal zone - sediment contamination - organic deposition - micropollutant.

Three new species of *Ancistrus* Kner (Teleostei: Siluriformes: Loricariidae) from the upper Tapajós and Tocantins rivers

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Three new species of *Ancistrus* Kner (Teleostei: Siluriformes: Loricariidae) from the upper Tapajós and Tocantins rivers. - Three new species of *Ancistrus* are described: *Ancistrus tombador* sp. n. from the upper rio Tapajós basin, and *Ancistrus reisi* sp. n. and *Ancistrus jataiensis* sp. n. from the upper rio Tocantins basin. The three species differ from their congeners by the absence of an adipose fin. Loss of the adipose fin was only rarely observed in Ancistrini. In the three new species it is replaced by a series of small unpaired platelets forming a low crest. *Ancistrus tombador* further differs from all congeners by a unique combination of characters: naked margin of snout large and tentacles usually absent in both sexes; body very narrow (cleithral width 27.5-31.2% SL); long caudal peduncle particularly depressed (depth 8.3-9.2% SL). *Ancistrus reisi* is distinguished from *A. jataiensis* by measurements, including: predorsal length (respectively: 43.8-46.4% SL versus 47.5-49.3% SL); occipital depth (14.9-17.0% SL versus 17.0-19.5% SL); and caudal peduncle length (27.7-30.9% SL, versus 24.6-27.1% SL).

Keywords: Ancistrini - new species - Amazon River drainage - Brazil - catfishes - taxonomy.