

González-Solis D., Mariaux J. - <i>Orientattractis brycini</i> sp. nov. (Nematoda: Atractidae) from characiform freshwater fishes in Gabon, Africa .....	2-8
Yin Z.-W., Jiang R.-X. - <i>Apharinodes sinensis</i> sp. n. (Coleoptera: Staphylinidae: Pselaphinae) from China, and discovery of male wing dimorphism in Hybocephalini.....	9-14
Germann C., Wyler S., Bernasconi M.V. - DNA barcoding of selected alpine beetles with focus on Curculionoidea (Coleoptera).....	15-38
Serrano A.R.M., Aguiar C.A.S. - A new species of the genus <i>Typhlocharis</i> Dieck, 1869 (Coleoptera, Carabidae) from Portugal.....	39-46
Egert J., Luu V.Q., Nguyen T.Q., Le M.D., Bonkowski M., Ziegler T. - First record of <i>Gracixalus quyeti</i> (Amphibia: Anura: Rhacophoridae) from Laos: molecular consistency versus morphological divergence between populations on western and eastern side of the Annamite Range .....	45-51
Hollier J., Wesener T. - The Diplopoda (Myriapoda) of Madagascar described by Henri de Saussure and Leo Zehntner .....	53-65
Azpelicueta M.M., Koerber S. - <i>Hemigrammus tridens</i> Eigenmann (Characiformes, Characidae): first records of a small tetra from the Paraná River basin.....	67-71
Kontschán J., Ripka G. - <i>Trachyuropodid mites</i> (Acari: Uropodina) from South-East Asia: catalog, new key and description of two new species .....	73-82
Saikia U., Csorba G., Ruedi M. - First records of <i>Hypsugo joffrei</i> (Thomas, 1915) and the revision of <i>Philetor brachypterus</i> (Temminck, 1840) specimens (Chiroptera: Vespertilionidae) from the Indian Subcontinent .....	83-89
Ostrowski de Núñez M., Arredondo N.J., Gil de Pertierra A.A. - Adult Trematodes (Platyhelminthes) of freshwater fishes from Argentina: a checklist.....	91-113
Biffi G. - A new <i>Paramaronius</i> species from Argentina (Coleoptera: Cantharidae) .....	115-118
Sabella G., Kurbatov S.A. & Cuccodoro G. - A revision of the Chilean Brachyglutini – Part 2. Revision of <i>Achilia</i> Reitter, 1890: <i>A. crassicornis</i> , <i>A. tumidifrons</i> , <i>A. bifossifrons</i> , and <i>A. lobifera</i> species groups (Coleoptera: Staphylinidae: Pselaphinae).....	119-140
Tanasevitch A.V. - New genera and new species of the family Linyphiidae from Borneo, Sumatra and Java (Arachnida, Araneae) .....	141-155
Gilliéron J. - Distribution et statut du Rat des moissons ( <i>Micromys minutus</i> ) dans le bassin genevois .....	157-166
Schuchert P., Hosia A. & Leclère L. - Identification of the polyp stage of three leptomedusa species using DNA barcoding .....	167-182
Hollier J. - The type specimens of parasitic marine isopods (Crustacea: Isopoda: Cymothooidea) described by Henri de Saussure and Gottfried Haller deposited in the Muséum d'histoire naturelle de Genève.....	183-186

Résumés

***Orientattractis brycini* sp. nov. (Nematoda: Atractidae)  
from characiform freshwater fishes in Gabon, Africa**

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**Abstract:** The nematode *Orientattractis brycini* sp. nov. (Atractidae) is described from the intestine of *Brycinus macrolepidotus* Valenciennes (Alestidae) and *Xenocharax spilurus* Günther (Distichodontidae) collected in two localities from Gabon, Africa. The new species is characterized by the presence of four submedian lips with well-sclerotized pieces armed with two recurved pointed spines and one median large spine on their distal part, along with two smaller spines posterior to amphidial pores. It differs from its congeners mainly in the length of both spicules, gubernaculum, presence of two lateral spines posterior to amphids, distribution and number of caudal papillae. An emended generic diagnosis is provided. This is the eighth species in the genus *Orientattractis*, the fourth from fish hosts and the first from Africa, which expands its geographical distribution.

**Keywords:** New species - nematode - *Brycinus* - *Xenocharax*.

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***Apharinodes sinensis* sp. n. (Coleoptera: Staphylinidae: Pselaphinae) from China,  
and discovery of male wing dimorphism in Hybocephalini**

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**Abstract:** *Apharinodes sinensis* sp. n. is described from Yunnan, and represents the first named species of the tribe Hybocephalini Raffray from China. Male wing dimorphism is for the first time reported for a hybocephaline. An identification key to the four known *Apharinodes* species is given.

**Keywords:** Hybocephalini, *Apharinodes*, taxonomy, new species, male wing dimorphism, Asia.

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# DNA barcoding of selected alpine beetles with focus on Curculionoidea (Coleoptera)

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**Abstract:** Selected beetles, mainly weevils, from the Alpine Arc were barcoded. From 187 samples of 106 assigned species of the families Curculionidae (152 samples, mainly Entiminae, Cyclominae and Hyperinae), Carabidae (18), Apionidae (6), Chrysomelidae and Staphylinidae (each 1 sample), sequences from the COI (subunit 1 of the cytochrome oxidase gene) were obtained, with a success of more than 86% (162 samples). In the cases of *Otiorhynchus pupillatus* Gyllenhal, 1834, *O. nodosus* (O. F. Müller, 1764), *O. meridionalis* Gyllenhal, 1834, *Dichotrachelus koziorowiczi* Desbrochers des Loges, 1873, *D. augusti* F. Solari, 1946 and *D. maculosus* Fairmaire, 1869 more diversity was hidden than foreseen in the beginning, suggesting partly cryptic (not yet described) species. One name is thus resurrected from junior synonymy (*O. civis* Stierlin, 1861 **stat. rev.** from synonymy with *O. meridionalis*). In another case with strictly parthenogenetically reproducing populations of *O. pupillatus* and *O. nodosus* in the Swiss Alps, several lineages from hypothetical postglacial immigration events, or alternatively complexes of species in *statu nascendi* might explain the results observed. Moreover, some morphologically debated species-pairs/triples confirmed to be problematic too, even with our COI sequence data [*Hypera nigrirostris* (Fabricius, 1775) – *ononidis* (Chevrolat, 1863) – *melarynchus* (Olivier, 1807)]. On the other hand, in some cases the species' identity, based on the monophyly of the investigated populations, could be confirmed [*Anthonomus rubi* (Herbst, 1795), *Polydrusus chaerodrysius* Gredler, 1866, *P. paradoxus* Stierlin, 1859]. In the hyperdiverse genus *Otiorhynchus* Germar, 1822, some preliminary insights into the systematics at the subgenus-level could be made, suggesting that many changes of the present morphologically based systematic structure will be necessary.

**Keywords:** COI - endemic species - Alps - Switzerland - Apionidae - Carabidae - Chrysomelidae - Curculionidae - Staphylinidae.

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## A new species of the genus *Typhlocharis* Dieck, 1869 (Coleoptera, Carabidae) from Portugal

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**Abstract:** A new endogean carabid species of the genus *Typhlocharis* Dieck, 1869 from Portugal is described and illustrated: *Typhlocharis mendesi* **sp. n.** The work provides diagnostic characters, the structure of male and female genitalia, discussions on affinities to related taxa, as well as some remarks on its ecology.

**Keywords:** Taxonomy - species Groups - Iberian Peninsula - Portugal.

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**First record of *Gracixalus quyeti* (Amphibia: Anura: Rhacophoridae) from Laos: molecular consistency versus morphological divergence between populations on western and eastern side of the Annamite Range**

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**Abstract:** We report the first country record of the poorly known *Gracixalus quyeti* from Laos based on a recently collected specimen from Khammouane Province, central Laos. While the genetic analysis revealed nearly identical sequences, we found some differences in body ratios and color patterns among the specimen from Laos and the type series from the eastern side of the Annamite Range in Vietnam.

**Keywords:** *Gracixalus quyeti* - biogeography - distribution - new record - Annamite Range - Laos.

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**The Diplopoda (Myriapoda) of Madagascar described by  
Henri de Saussure and Leo Zehntner**

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**Abstract:** Henri de Saussure and Leo Zehntner described 76 species of millipede in three publications on the fauna of Madagascar (including additions from other islands). These species are listed alphabetically; the holdings of the Muséum d'histoire naturelle de Genève and the whereabouts of type specimens identified in other institutions are discussed, and the currently valid combination is given for each species. *Spirobolus sikorae* is transferred to the genus *Hylekobolus*.

**Keywords:** Millipedes - Grandidier - Voeltzkow - Sikora - Geneva - Paris - type catalogue.

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***Hemigrammus tridens* Eigenmann (Characiformes, Characidae):  
first records of a small tetra from the Paraná River basin**

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**Abstract:** *Hemigrammus tridens* is a small characid described by Eigenmann (in Eigenmann & Ogle, 1907) from Paraguay River, in the country Paraguay. The species has a conspicuous trident-shaped caudal spot, few perforated lateral line scales, scales on the caudal fin, and two pentacuspitate teeth in the outer series of the premaxilla. *Hemigrammus tridens* is found in the Paraná River basin of both, Argentina and Paraguay. The records from Argentina are the first for this species in the country. Comments on the type series are added.

**Keywords:** *Hemigrammus tridens* - Paraná River basin - Argentina - Paraguay - complementary description.

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**Trachyuropodid mites (Acari: Uropodina) from South-East Asia:  
catalog, new key and description of two new species**

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**Abstract:** All trachyuropodid mites described from South-East Asia are presented in a new illustrated key. Two new species of *Bostocktrachys* (*B. surinensis* sp. nov. and *B. thailandica* sp. nov.) from Thailand are described and illustrated. Both new *Bostocktrachys* species differ from the other known species of this genus by the strongly sclerotized lines of the dorsal shield. Four new combinations are proposed: *Trachyuropoda (Leonardiella) imitans* Berlese, 1905 is transferred to the genus *Arculatrachys*, *Trachyuropoda cistulata* Hirschmann, 1975 is placed in the genus *Leonardiella*, *Trachyuropoda micherdzinskii* Hirschmann, 1976 and *Trachyuropoda tuberculata* Berlese, 1913 in the genus *Bostocktrachys*.

**Keywords:** Turtle mites - taxonomy - zoogeography - Oriental region.

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# First records of *Hypsugo joffrei* (Thomas, 1915) and the revision of *Philetor brachypterus* (Temminck, 1840) specimens (Chiroptera: Vespertilionidae) from the Indian Subcontinent

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**Abstract:** The Joffre's pipistrelle *Hypsugo joffrei* is a rare and very little known vespertilionid bat previously thought to be confined to Myanmar and Vietnam in Southeast Asia. Based on recently collected material and reassessment of museum specimens, this species is being reported for the first time from India and Nepal which also significantly extends its westward geographic range beyond Myanmar. We also critically compare the type specimen of another poorly known congener from Myanmar, *H. anthonyi* with the present material and propose to recognize the name *H. anthonyi* as the junior subjective synonym of *H. joffrei*. Specimens previously identified as *Philetor brachypterus* from South Asia were found to represent *H. joffrei*, as well. Consequently, the distribution range of *Philetor* is restricted to the Sundaic zoogeographical subregion, the Philippines, New Guinea and Bismarck Is., and the species should be omitted from the bat checklists of India and Nepal.

**Keywords:** Chiroptera - Vespertilionidae - India.

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## Adult Trematodes (Platyhelminthes) of freshwater fishes from Argentina: a checklist

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**Abstract:** This work provides information on the occurrence of adult trematodes (Aspidogastrea and Digenea) in freshwater fishes from Argentina. To date, a total of 77 trematode species belonging to 21 families have been recorded. Haploporidae, Allocreadiidae and Cryptogonimidae (15, nine and nine species, respectively) showed the highest species richness, whereas the number of species ranged from one to seven species for the other 18 families. Of these, five new species have been recently described in Argentina; nine were cited for the first time; 17 had new host records, and 28 were reported from new localities. The orders Characiformes, Perciformes and Siluriformes harboured the highest richness of trematode species.

**Keywords:** Biodiversity - Aspidogastrea - Digenea - New hosts - First records - New localities.

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## A new *Paramaronius* species from Argentina (Coleoptera: Cantharidae)

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**Abstract:** The new species *Paramaronius unituberculatus* sp. nov. from Salta province, northern Argentina, is described and illustrated. An updated identification key including also the new species is provided.

**Keywords:** Chauliognathinae - description - key - neotropical - taxonomy.

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## A revision of the Chilean Brachyglutini – Part 2. Revision of *Achilia* Reitter, 1890: *A. crassicornis*, *A. tumidifrons*, *A. bifossifrons*, and *A. lobifera* species groups (Coleoptera: Staphylinidae: Pselaphinae)

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### Abstract

The *Achilia crassicornis*, *A. tumidifrons*, *A. bifossifrons*, and *A. lobifera* species groups (*sensu* Jeannel, 1962) of the species-rich genus *Achilia* Reitter, 1890 are revised. Of the twelve taxa previously placed in these four groups of species, two belong to different groups and will be treated in later papers (i.e. *A. parvula* Jeannel, 1962 and *A. nahuelbutae* Franz, 1996 with the *A. humidula* and the *A. cosmoptera* groups, respectively), and five names are placed as junior synonyms: *Achilia crassicornis antarctica* Jeannel, 1962 and *A. obscura* Jeannel, 1962 = *A. crassicornis* Jeannel, 1962 (**syn. nov.**); *Achilia tumidifrons* Jeannel, 1962, *A. globiceps* Jeannel, 1962 and *A. paraglobiceps* Franz, 1996 = *A. larvata* (Reitter, 1885) (**syn. nov.**). The lectotype and paralectotypes of *A. larvata* are designated. The five species left in these groups are redescribed, their distributions are detailed, and habitats/collecting data are summarized.

**Keywords:** *Achilia* - Chile - species group - taxonomy - distribution.

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## New genera and new species of the family Linyphiidae from Borneo, Sumatra and Java (Arachnida, Araneae)

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**Abstract:** Two new genera and seven new species of the family Linyphiidae from the collections of the Muséum d'histoire naturelle de Genève are described: *Kalimagone* gen. nov. with *Kalimagone cuspidata* sp. nov. (the type species) and *K. rotunda* sp. nov. from Borneo; *Tegulinus* gen. nov. with *Tegulinus sumatranus* sp. nov. (the type species) and *T. bifurcatus* sp. nov. from Sumatra; *Dumoga buratino* sp. nov. and *Prosoponoides jambi* sp. nov. from Sumatra; and *Oedothorax bifoveatus* sp. nov. from Borneo and Java. A list of the linyphiid species currently known from Borneo, Sumatra and Java is presented.

**Keywords:** Erigoninae - Linyphiinae - Southeast Asia - East Malaysia - Indonesia.

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## Distribution et statut du Rat des moissons (*Micromys minutus*) dans le bassin genevois

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**Résumé:** Des prospections actives et ciblées ont été menées entre 2014 et 2016 dans l'espoir de trouver d'éventuelles populations résiduelles de Rats des moissons (*Micromys minutus*) dans le bassin genevois. Après avoir repéré une soixantaine de sites favorables à l'espèce, des recherches de nids ont été effectuées ainsi que des piégeages. Ces recherches ont permis de trouver 12 nouvelles stations, toutes situées dans le Pays de Gex (France, Ain), et de présumer que l'espèce est aujourd'hui absente du canton de Genève et peut-être aussi de la partie haut-savoiarde du Bas-Chablais située dans la zone prospectée. Ces découvertes révèlent le niveau de menace important qui pèse sur presque toutes les populations de Rats des moissons du bassin genevois.

**Mots-clés:** Rat des moissons - magnocariçaie - bassin genevois - Pays de Gex - nids - piégeage.

**Abstract: Distribution and status of the Harvest Mouse (*Micromys minutus*) in the Geneva Basin.** - Targeted active surveys were conducted between 2014 and 2016 in order to find residual Harvest Mouse (*Micromys minutus*) populations in the Geneva Basin. After locating approximately 60 potentially favourable sites for the species, nest searches and trappings were carried out. These searches permitted to identify 12 new occupied sites, all located in Pays de Gex (France, Ain). It must be assumed that today the species is no longer present on the territory of the canton of Geneva as well as the lower region of the Chablais (France, Haute-Savoie). These observations demonstrate that most Harvest Mouse populations of the Geneva Basin are under a high level of threat.

**Keywords:** Harvest Mouse - Magnocaricion - Geneva Basin - Pays de Gex - nest - trapping.

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# Identification of the polyp stage of three leptomedusa species using DNA barcoding

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## Abstract

DNA sequence data of hydromedusae and hydroids collected in the fjords near Bergen, Norway, permitted to connect three leptomedusae to three thecate hydroids with hitherto unknown life cycles. For all three species pairs, identical 16S and 18S sequences could be found. For comparisons, estimates of intraspecific variation of 16S sequences of other leptomedusa species were determined by comparing specimens collected at different localities. The sequence comparisons allowed us to conclude that *Ptychogena crocea* Kramp & Dumas, 1925 is the medusa stage of the hydroid *Stegopoma plicatile* (M. Sars, 1863), *Earleria quadrata* (Hosia & Pages, 2007) the medusa of *Racemoramus panicula* (G.O. Sars, 1874), and *Cyclocanna welshi* Bigelow, 1918 the medusa of *Egmundella producta* (G.O. Sars, 1874). Due to non-matching geographic distribution patterns of the medusa and hydroid phases, as well as the possibility that other related medusa species may have morphologically identical hydroids, the identities of *Stegopoma plicatile* and *Racemoramus panicula* are considered ambiguous. These nominal species likely refer to species complexes. Their names are therefore considered as partial synonyms of the medusa-based names and the latter should remain in use despite being more recent. *Cyclocanna welshi* and *Egmundella producta* are recognised as synonyms, and the species should from now on be referred to as *Cyclocanna producta* (G.O. Sars, 1874) n. comb.

**Keywords:** Cnidaria - Hydrozoa - Leptothecata - marine - hydromedusae - hydroids - life cycles.

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## The type specimens of parasitic marine isopods (Crustacea: Isopoda: Cymothooidea) described by Henri de Saussure and Gottfried Haller deposited in the Muséum d'histoire naturelle de Genève

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**Abstract:** The Muséum d'histoire naturelle de Genève contains type specimens of nine species of parasitic marine isopods, all described in the 19th century. These are enumerated and the current nomenclatural combination is given.

**Keywords:** Ectoparasite - fish - Geneva - Cymothoidae - type catalogue.

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