Contents

1 Review of the genus *Plutothrix* Förster, 1896 (Hymenoptera, Pteromalidae) with a key to Palaearctic species
   Ekaterina V. Tselikh, Gergely Várkonyi, Natalie Dale-Skey

2 Cecinathringus Nieves-Aldrey & Liljeblad (Hymenoptera, Cynipidae) is likely an endoparasitoid of the gall-maker
genus *Aditrochus* Rübsaamen (Hymenoptera, Pteromalidae)
   Jean Vuy Vanhee, José-Luis Nieves-Aldrey, Áurel Crousol

3 *Melanoya leucaner* sp. nov. (Hymenoptera, Braconidae), a new parasitoid of the bud borer *Cricidae* apomerae (Lepidoptera, Tortricidae)
   Luis Felipe Ventura de Abreu, Angélica María Penteado-Dias

4 Host-specific demography of *Unto* *auroctroph* (Hymenoptera, Braconidae),
a native parasitoid of *Ascostepha* spp. fruit flies (*Diptera, Tephritidae*)
   María Dina Estrada-Marroquín, Jorge Cancino, Daniel Sánchez, Pablo Menoyo, Pablo Liedo

5 A new fossil euphorine genus and species (Hymenoptera, Braconidae) with the longest known ovipositor from Dominican amber
   Sergey A. Belokobylskij, Tomáš Hovorka

6 Biological notes on *Rhyypalid inaeurocal* Belokobylskij (Hymenoptera, Braconidae, Rhyypilinae)
   Cornelis van Achterberg, Chie Su-Bi Lui

7 Elevation gradient affects the distribution and host utilisation of *Zatypota anomala* (Hymenoptera, Ichneumonidae)
   associated with mesh web weaving spiders (*Araeae, Dictynidae*)
   Stanislav Korenko, Jakub Sýkora, Ľudmila Černecká, Peter Gajdoš, Pavol Purgat, Ján Černecký, Kamil Holý, Petr Heneberg, Ingí Agnarsson

8 Contribution to the taxonomy of the *Pseudepipona* subgenus *Deuterepipona* Blüthgen, 1951
   (Hymenoptera, Vespidae, Eumeninae) from Central Asia, with the description of four new species
   Alexander V. Fateryga, Maxim Yu. Proshchalykin

9 Nesting of the keyhole wasp *Pachodynerus nasidens* (Latreille, 1812) (Vespidae, Eumeninae) in a nest of a paper wasp
   (*Vespidae, Polistinae*)
   Gabriel de Castro Jacques, Wellington Donizet Ferreira, Paola Aparecida Moura, Gabriel Tofeli-Guedes, Marcos Magalhães de Souza

10 The first recorded occurrence of the Asian hornet (*Vespa velutina*) in Ireland, genetic evidence
    for a continued single invasion across Europe
    Eileen Dillane, Rachel Hayden, Aidan O’Hanlon, Fidelma Butler, Simon Harrison

11 Description of the nest of the pollen wasp *Celonites jousseaumei* Du Buysson, 1906 (Hymenoptera, Vespidae, Masarinae)
   with a new host association of the cuckoo wasp *Spintharina innesi* (Du Buysson, 1894) (Hymenoptera, Chrysididae)
   Volker Mauss, Christophe Praz, Andreas Müller, Rainer Prosi, Paolo Rosa

12 Three new species and one new country record of velvet ants (Hymenoptera, Mutillidae) from Thailand
   Narit Thaochan, Kevin A. Williams, Kodeeyah Thoawan, Tadsanai Jeenthong, Wisut Sittichaya

13 *Leioproctus zephyr* Prendergast (Hymenoptera, Colletidae, Leioproctus), an oligoleptic new bee species with a distinctive clypeus
   Kit S. Prendergast

14 Double-blind validation of alternative wild bee identification techniques: DNA metabarcoding and *in vivo*
   determination in the field
   Fernanda Herminia-Meio, Christopher Brown, Sophie Ogan, Hannah Berge, Manfred Apon, Alexander M. Wiegand, Thomas Eltz

15 Book review: *The Bumblebees of the Himalaya – An Identification Guide*, by Paul H. Williams
   Adeline Laicar, Orosi Mutha
The Journal of Hymenoptera Research publishes papers of high scientific quality reporting comprehensive research on all aspects of Hymenoptera, including biology, behavior, ecology, systematics, taxonomy, genetics, and morphology. Taxonomic papers describing single species are acceptable if the species has economic importance or provides new data on the biology or evolution of the genus or higher taxon. Manuscript length generally should not exceed 50 typed pages; however, no upper limit on length has been set for papers of exceptional quality and importance, including taxonomic monographs at generic or higher level.

The Journal of Hymenoptera Research considers the following categories of papers for publication:

- Original research articles,
- Reviews as longer articles, offering a comprehensive overview, historical analysis or and future perspectives of a topic,
- Monographs and collection of papers with no limit in size, published as ‘special issues’,
- Short communications,
- Letters and discussion papers,
- Book reviews.

The Journal of Hymenoptera Research is published on behalf of the International Society of Hymenopterists (www.hymenopterists.org).

ISBN numbers will be assigned to large monographic papers (i.e., major revisions of taxa), monographs, collections of papers, Festschrift volumes, atlases, checklists, prospecti.

All content is Open Access distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited. Authors are thus encouraged to post the pdf files of published papers on their homepages or elsewhere to expedite distribution.

Editorial Office
Pensoft Publishers
Prof. Georgi Zlatevski 12, 1700 Sofia, Bulgaria. Tel. +359-2-8704281, Fax +359-2-8704282
E-mail: jhr@pensoft.net

EMILIO GUIDELINES

Authors are kindly requested to submit their manuscript only through the online submission module at http://jhr.pensoft.net. In case of difficulties with the submission procedure, please contact jhr@pensoft.net. Full text of author guidelines is available at: http://jhr.pensoft.net/about#AuthorGuidelines

EXCERPTS FROM THE GUIDELINES


CITATION OF PUBLIC RESOURCE DATA BASES: It is highly recommended all appropriate datasets, images, and information to be deposited in public resources. Please provide the relevant accession numbers (and version numbers). For stix, if appropriate, Accession numbers should be provided in parentheticals after the entry on first use. Examples of such databases include, but are not limited to:

- ZooBank (www.zooank.org),
- Morphebank (www.morphebank.net),
- GenBank (www.ncbi.nlm.nih.gov/Genbank),
- Barcode (www.boldsystems.org)

Providing accession numbers allows linking to and from established databases and integrates your article with a broader collection of scientific information. Please list all accession numbers directly after the References.

OPEN ACCESS FEES. Publication fees in open access journals ensure a barrier-free distribution of your paper at no charge for the readers and include costs involved in processing, publishing, indexing and archiving your paper.

The journal charges Open Access Publication Fee of EURO 15 per page for papers of less than 100 printed pages. Publication fees for larger papers will be discounted and can be negotiated with the Managing Editor.

Open Access Publication Fees are usually covered by institutional funds and grants. Discounts/waivers can be requested by private and retired zoologists, scientists from low- and middle-level income countries, post-graduate students, especially in case of exceptionally good manuscripts.

Discounts will be offered also to scientists who actively participate in the reviewing and editing process.

PRINTED VERSION. Offprints and printed issues of the journal can be purchased additionally (see journal’s website). For standing orders/subscriptions please contact the Managing Editor.