

New taxa described by the staff of the Hungarian Natural History Museum in 2023

VIKTÓRIA SZŐKE ^{1*} & ZOLTÁN VAS ²

¹ *Hungarian Natural History Museum, Department of Zoology, Collection of Smaller Insect Orders,
H-1088 Budapest, Baross u. 13, Hungary. E-mail: szoke.viktoria@nhmus.hu*

² *Hungarian Natural History Museum, Department of Zoology, Hymenoptera Collection,
H-1088 Budapest, Baross u. 13, Hungary. E-mail: vas.zoltan@nhmus.hu;
<https://orcid.org/0000-0002-1361-180X>*

Abstract – In this paper an overview and a list are given of the new taxa described by the scientific staff members and volunteer researchers of the Hungarian Natural History Museum in 2023. The list contains 115 species-group names, five genus-group names, and one family-group name proposed by the authors. With one figure.

Key words – biodiversity, description, overview, new genera, new species, new subgenus, new subtribe, new subspecies, taxonomy

INTRODUCTION

Natural history museums of the world traditionally play the most important role in taxonomical research, given their large and historical collections. These institutions serve as a base both for acquiring the taxonomical expertise and for continuously providing novel discoveries by researchers working on their holdings.

Since 2019, annual overviews and lists of taxa described as new to science by the researchers (both scientific staff members and volunteers) of the Hungarian Natural History Museum (HNHM) were published online as blog posts of the HNHM (JÓKUTHY 2020, VAS 2021, VAS & SZŐKE 2022a, 2023a, SZŐKE & VAS 2024). These compilations are in Hungarian, with the purpose of communicating the scientific results of ongoing research activities in the HNHM to the society. From 2022 on, the annual overview and a complete list of new taxa are also published in the present journal, serving as a traditional, long-term archiving tool (VAS & SZŐKE 2022b, 2023b).

* corresponding author

TAXONOMICAL AND GEOGRAPHICAL COVERAGE

In 2023, researchers of the HNHM described 102 species new to science, as well as 13 subspecies, 4 genera, one subgenus, and one subtribe. The majority of them is animal taxa: newly described vertebrates include one blind mole rat subspecies (Mammalia) (NÉMETH *et al.* 2023), and 3 species of South American frogs (Amphibia) (SZÉKELY *et al.* 2023), whereas invertebrates are represented by 95 species, 12 subspecies, 4 genera, one subgenus, and one subtribe of insects (Insecta) (see details and references below), and by 3 species of potworms (Annelida) (NAGY *et al.* 2023). The newly described insect taxa consist of 70 species, 12 subspecies, 4 genera, one subgenus and one subtribus of butterflies (Lepidoptera) (BÁLINT *et al.* 2023, BARTSCH *et al.* 2023a, b, BOYLE *et al.* 2023, PAN *et al.* 2023, RONKAY *et al.* 2023, SÁFIÁN & BELCASTRO 2023, SÁFIÁN *et al.* 2023, VOLYNKIN *et al.* 2023), 15 species of ichneumon wasps (Hymenoptera) (VAS 2023a, b, c, d), one species of dustywings and one species of spongillaflies (Neuroptera) (SZIRÁKI 2023, SZŐKE 2023), one species of dragonflies (Odonata) (KOVÁCS & THEISCHINGER 2023), 3 species of stoneflies (Plecoptera) (MURÁNYI *et al.* 2023), and 4 species of flat bugs (Heteroptera) (VÁSÁRHELYI 2023, VÁSÁRHELYI & HEISS 2023). Newly described plants are represented by a fossil species of gymnosperms (Gymnospermae) (BARBACKA *et al.* 2023).

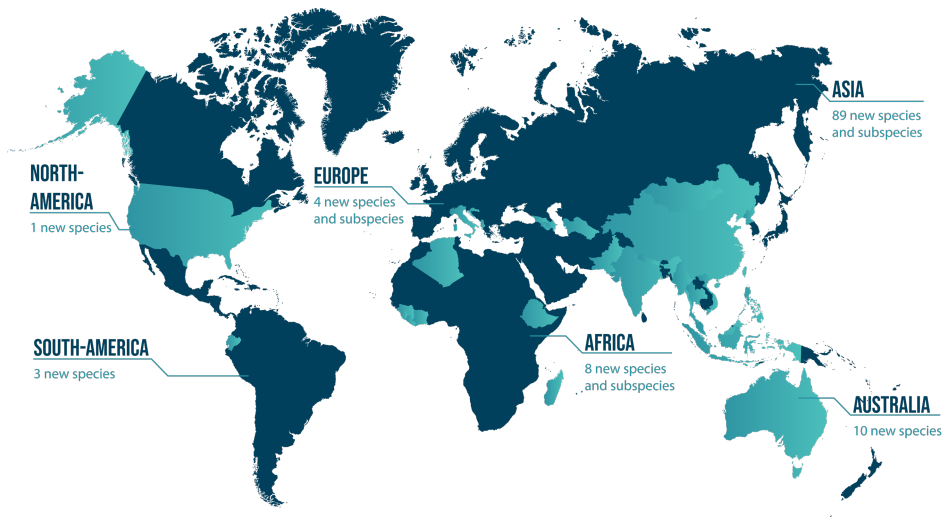


Figure 1. Collecting localities of the type material of new species and subspecies at county level (light blue), and their numbers per continents (compiled by Viktória Szőke)

New species and subspecies were described from 30 countries of the world: 3 European (Albania, Croatia, Italy), 17 Asian (Armenia, Azerbaijan, China, Georgia, India, Indonesia, Malaysia, Mongolia, Myanmar, Nepal, North Korea, Pakistan, Philippines, Taiwan, Thailand, Turkmenistan, Vietnam), 7 African (Algeria, Ethiopia, Guinea, Ivory Coast, Liberia, Madagascar, Sierra Leone), 2 American countries (Ecuador, United States), and Australia (Fig. 1). Numbers of newly described species per continents are also indicated in Fig. 1.

LIST OF NEW TAXA

Collecting localities of the type material of new species and subspecies are indicated in square brackets at country level. Extinct taxa are marked with the † symbol (in this case, the geological period is also indicated in square brackets).

Phylum: Chordata
Class: Mammalia
ORDER: RODENTIA
Family: Spalacidae

Nannospalax hellenicus nopcsai Csorba, Mizsei, Czabán et Németh, 2023
(Nopcsa-földikutya) [Albania]

Class: Amphibia
ORDER: ANURA
Family: Strabomantidae

Pristimantis numbala Székely, Székely, Armijos-Ojeda, Hualpa-Vega et Vörös, 2023 [Ecuador]

Pristimantis paladines Székely, Székely, Armijos-Ojeda, Hualpa-Vega et Vörös, 2023 [Ecuador]

Pristimantis sagedunneae Székely, Székely, Armijos-Ojeda, Hualpa-Vega et Vörös, 2023 [Ecuador]

Phylum: Arthropoda
Class: Insecta
ORDER: LEPIDOPTERA
Family: Lycaenidae

Cooksoniina Sáfián, Boyle et Pierce, 2023

Neurellipes helpsi ziama Sáfián et Belcastro, 2023 [Guinea]

Family: Noctuidae

- Acronicta (Molybdonicta) confusa* Kiss, 2023 [China]
Anacronicta himalaya Hreblay, Katona et Tóth, 2023 [Nepal]
Antha magna Hreblay, Katona et Tóth, 2023 [Thailand, China]
Antitrisuloides catocalina cyclica Hreblay, Katona et Tóth, 2023 [Thailand, Myanmar]
Apamea alterna Hreblay, Katona et Tóth, 2023 [Thailand, Myanmar]
Apamea siamica Hreblay, Katona et Tóth, 2023 [Thailand]
Axylia clavifera Hreblay, Katona et Tóth, 2023 [Nepal]
Axylia kontrasta Hreblay, Katona et Tóth, 2023 [Nepal]
Axylia obtusa Hreblay, Katona et Tóth, 2023 [Thailand]
Axylia orbiculata Hreblay, Katona et Tóth, 2023 [Thailand]
Axylia putris philippinensis Hreblay, Katona et Tóth, 2023 [Philippines]
Bornolis siamica Hreblay, Katona et Tóth, 2023 [Thailand]
Chalconyx tinta Hreblay, Katona et Tóth, 2023 [Thailand]
Conisania sejilaensis Pan, Zheng, Volynkin, Saldaitis, Gyulai et Tóth, 2023 [China]
Cosmia aureofusca Hreblay, Katona et Tóth, 2023 [Thailand]
Cosmia trigonifera Hreblay, Katona et Tóth, 2023 [Thailand]
Cranionycta formosana Kiss, 2023 [Taiwan]
Diarsia excelsa ayubia Hreblay, Katona et Tóth, 2023 [Pakistan]
Diarsia maculifera Hreblay, Katona et Tóth, 2023 [Thailand]
Diarsia parvimaculosa Hreblay, Katona et Tóth, 2023 [Thailand]
Diarsia siamicola Hreblay, Katona et Tóth, 2023 [Thailand]
Diarsia tinctoides Hreblay, Katona et Tóth, 2023 [Thailand]
Dioszeghyana albonigra Hreblay, Katona et Tóth, 2023 [Thailand]
Feliniopsis angusta Hreblay, Katona et Tóth, 2023 [Thailand]
Feliniopsis aversa Hreblay, Katona et Tóth, 2023 [Thailand]
Feliniopsis hyposcota continentalis Hreblay, Katona et Tóth, 2023 [Thailand, Nepal]
Feliniopsis hyposcota pygmaea Hreblay, Katona et Tóth, 2023 [Taiwan]
Feliniopsis manifesta Hreblay, Katona et Tóth, 2023 [Thailand]
Feliniopsis rubrofusa Hreblay, Katona et Tóth, 2023 [Taiwan]
Feliniopsis similata Hreblay, Katona et Tóth, 2023 [Nepal]
Feliniopsis stimulata Hreblay, Katona et Tóth, 2023 [Thailand]
Fuscotrachea Hreblay, Katona et Tóth, 2023
Fuscotrachea boluangi Hreblay, Katona et Tóth, 2023 [Thailand]
Hermonassa coevarii Hreblay, Katona et Tóth, 2023 [Nepal]
Hermonassa sherpae sherpani Hreblay, Katona et Tóth, 2023 [Thailand]
Hermonassa thomasi obscurata Hreblay, Katona et Tóth, 2023 [Thailand]
Herzinycta Kiss, 2023
Hyalobole changae thailandica Hreblay, Katona et Tóth, 2023 [Thailand]

- Iceleucania* Hreblay, Katona et Tóth, 2023
Isochlora hreblayi Volynkin, Tóth, Titov et Saldaitis, 2023 [Mongolia]
Isolasia intermedia Hreblay, Katona et Tóth, 2023 [Thailand]
Karana bacsovi Hreblay, Katona et Tóth, 2023 [Vietnam]
Karana falcata Hreblay, Katona et Tóth, 2023 [Thailand]
Karana yangzi Hreblay, Katona et Tóth, 2023 [Thailand]
Kisegira diluta Hreblay, Katona et Tóth, 2023 [Thailand]
Leucania (Iceleucania) rosa Hreblay, Katona et Tóth, 2023 [Thailand]
Mniotype putyi Hreblay, Katona et Tóth, 2023 [Thailand]
Odontestra mikuslaci Hreblay, Katona et Tóth, 2023 [Thailand]
Pareuplexia asymmetrica Hreblay, Katona et Tóth, 2023 [Thailand]
Pareuplexia chiangstigma Hreblay, Katona et Tóth, 2023 [Thailand]
Pareuplexia illusoria Hreblay, Katona et Tóth, 2023 [China]
Pareuplexia interposita Hreblay, Katona et Tóth, 2023 [China]
Pareuplexia latizona Hreblay, Katona et Tóth, 2023 [China]
Pareuplexia nyima Hreblay, Katona et Tóth, 2023 [Nepal]
Pareuplexia peteri Hreblay, Katona et Tóth, 2023 [Thailand, China]
Pareuplexia phahompoki Hreblay, Katona et Tóth, 2023 [Thailand]
Pareuplexia tapaishana Hreblay, Katona et Tóth, 2023 [China]
Phlogophora aspersa Hreblay, Katona et Tóth, 2023 [Thailand]
Phlogophora griseomarginata Hreblay, Katona et Tóth, 2023 [Thailand]
Potnyctycia recta Hreblay, Katona et Tóth, 2023 [Thailand]
Prometopus sopkha Hreblay, Katona et Tóth, 2023 [Thailand]
Rhynchaglaea pua Hreblay, Katona et Tóth, 2023 [Thailand]
Saalmuellerana orientalis Hreblay, Katona et Tóth, 2023 [Thailand]
Thalatha accreta Hreblay, Katona et Tóth, 2023 [Thailand, India]
Thalatha sincera Hreblay, Katona et Tóth, 2023 [Thailand, China, India]
Thalathoides lucida Hreblay, Katona et Tóth, 2023 [Philippines]
Thalathoides pygmaea Hreblay, Katona et Tóth, 2023 [Myanmar, Thailand]
Trachea tonkinata Hreblay, Katona et Tóth, 2023 [Vietnam]
Transtrachea Hreblay, Katona et Tóth, 2023
Transtrachea nubiliformis Hreblay, Katona et Tóth, 2023 [Thailand]
Transtrachea tortuosa Hreblay, Katona et Tóth, 2023 [Thailand]
Xanthia aurantiaca Hreblay, Katona et Tóth, 2023 [Thailand]
Xanthia melonina fuscocomedia Hreblay, Katona et Tóth, 2023 [Thailand]
Xenotrachea albifusa palawana Hreblay, Katona et Tóth, 2023 [Philippines]
Xenotrachea moha Hreblay, Katona et Tóth, 2023 [Thailand]
Xenotrachea parviculta Hreblay, Katona et Tóth, 2023 [Thailand]
Xestia aquila viridicosta Hreblay, Katona et Tóth, 2023 [Nepal]
Xestia gloria Hreblay, Katona et Tóth, 2023 [Nepal]
Xestia mingma Hreblay, Katona et Tóth, 2023 [Nepal]
Xestia phahompoki Hreblay, Katona et Tóth, 2023 [Thailand]

Family: Nymphalidae

Precis koivoguii Sáfián, Florczyk et Takano, 2023 [Guinea, Ivory Coast]

Family: Sesiidae

Cicinnoscelis grandiosus Bartsch et Sáfián, 2023 [Sierra Leone, Liberia]

Fortikona Bartsch et Sáfián, 2023

Fortikona aethiopica Bartsch et Sáfián, 2023 [Ethiopia]

Fortikona dalaba Sáfián et Bartsch, 2023 [Guinea]

Fortikona rhynchiformis Sáfián et Bartsch, 2023 [Liberia]

ORDER: HYMENOPTERA

Family: Ichneumonidae

Bathyplectes dbari Vas, 2023 [Turkmenistan]

Campoletis koreana Vas, 2023 [North Korea]

Campoplex csorgoi Vas, 2023 [Australia]

Campoplex reiczigeli Vas, 2023 [Australia]

Campoplex rozsai Vas, 2023 [Australia]

Enytus australiensis Vas, 2023 [Australia]

Eriborus biroi Vas, 2023 [Australia]

Hyposoter hangayi Vas, 2023 [Australia]

Hyposoter pinyo Vas, 2023 [Australia]

Leptoperilissus horstmanni Vas, 2023 [Algeria]

Melalophacharops chryseus Vas, 2023 [Australia]

Melalophacharops nitens Vas, 2023 [Taiwan]

Meloboris pektusana Vas, 2023 [North Korea]

Picacharops arantia Vas, 2023 [Australia]

Venturia criminalis Vas, 2023 [Australia]

ORDER: NEUROPTERA

Family: Coniopterygidae

Nimboa benyovszkyi Sziráki, 2023 [Madagascar]

Family: Sisyridae

Sisyra mononoke Szőke, 2023 [India]

ORDER: HETEROPTERA

Family: Aradidae

Acantharadus flora Vásárhelyi, 2023 [Indonesia]

Chelonocoris bakonyii Vásárhelyi, 2023 [Malaysia]

Chelonocoris heissi Vásárhelyi, 2023 [Indonesia]

Kema pamae Vásárhelyi, 2023 [Indonesia]

ORDER: PLECOPTERA

Family: Nemouridae

Protonemura apetor Murányi, Kovács, Vinçon et Manko, 2023 [Georgia]

Protonemura boris Murányi, Manko, Kovács, Vinçon et Žiak, 2023
[Azerbaijan, Georgia]

Protonemura soad Murányi, Manko, Kovács et Vinçon, 2023 [Armenia,
Georgia]

ORDER: ODONATA

Family: Platycnemididae

Nososticta peti Kovács et Theischinger, 2023 [Indonesia]

Phylum: Annelida

Class: Clitellata

ORDER: ENCHYTRAEIDA

Family: Enchytraeidae

Enchytraeus adrianensis Nagy, Dózsa-Farkas et Felföldi, 2023 [Croatia]

Enchytraeus andrasi Nagy, Dózsa-Farkas et Felföldi, 2023 [Italy]

Enchytraeus andrasiformis Nagy, Dózsa-Farkas et Felföldi, 2023 [Italy]

Phylum: Gymnospermae

Class: incertae sedis

ORDER: incertae sedis

Family: incertae sedis

†*Hanophyllum varioserratum* Barbacka, Pacyna et Pott, 2023 [USA (Alaska),
Jurassic]

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A 2023. év tudományra új taxonjai a Magyar Természettudományi Múzeumban

SZÓKE VIKTÓRIA ^{1*} & VAS ZOLTÁN ²

¹ Magyar Természettudományi Múzeum, Állattár, Kisebb rovarrendek gyűjteménye,
1088 Budapest, Baross u. 13., Magyarország. E-mail: szoke.viktoria@nhmus.hu

² Magyar Természettudományi Múzeum, Állattár, Hártyásszárnyúak gyűjteménye,
1088 Budapest, Baross u. 13., Magyarország. E-mail: vas.zoltan@nhmus.hu;
<https://orcid.org/0000-0002-1361-180X>

Összefoglalás – Jelen munkában a szerzők a Magyar Természettudományi Múzeum tudományos munkatársai és önkéntes kutatói által 2023-ban tudományra újként leírt taxonokat tekintik át és összegzik. A listában 115 fajcsoport-, öt nemzetségcsoport- és egy családcsoportnevet sorolnak fel. Egy ábrával.

Kulcsszavak – áttekintés, biodiverzitás, új alfajok, új alnemzetség, új altribusz, új fajok, új nemzetségek, taxonómia

ÁBRAMAGYARÁZAT

1. ábra. A tudományra új fajok és alfaj típusanyagának országszintű lelőhelyei (világoskék) és kontinensenként összegzett száma (a grafikát Szóke Viktória készítette)

* levelező szerző