

New taxa described by the staff of the Hungarian Natural History Museum in 2024

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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 National Museum Public Collection Centre – Hungarian Natural History Museum in 2024. The list contains 42 species-group names and 7 genus-group names proposed by the authors. With one figure.

Key words – biodiversity, description, new genera, new species, overview, taxonomy

INTRODUCTION

Natural history museums 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 (see e.g., NACHMAN *et al.* 2023).

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 National Museum Public Collection Centre – Hungarian Natural History Museum (HNHM) were published online as blog posts of the HNHM (JÓKUTHY 2020, VAS 2021, VAS & SZŐKE 2022a, 2023a, SZŐKE & VAS 2024a). These compilations are in Hungarian, with the purpose of communicating the scientific results of ongoing research activities in the HNHM to the society.

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From 2022 onwards, 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 2022*b*, 2023*b*, SZŐKE & VAS 2024*b*).

TAXONOMICAL AND GEOGRAPHICAL COVERAGE

In 2024, researchers of the HNHM described 42 species and 7 genera as new to science; all of them are animal taxa. Taxa are extant unless indicated otherwise. Vertebrates are represented by one bat species (Mammalia: Chiroptera) (WANG *et al.* 2024), whereas invertebrates by 29 species and 2 genera of insects (Insecta) (see details and references below), 1 species and 1 genus of Cretaceous pseudoscorpions (Arachnida: Pseudoscorpiones) (NOVÁK *et al.* 2024), 3 species of potworms (Annelida: Enchytraeida) (FELFÖLDI *et al.* 2024), 7 species of Miocene snails (Mollusca: Gastropoda) (KOVÁCS & VICIÁN 2024), and 1 species and 4 genera of Jurassic brachiopods (Brachiopoda: Rhynchonellata) (VÖRÖS 2024). The newly described insect taxa consist of 8 species and 2 genera of butterflies and moths (Lepidoptera) (BÁLINT 2024, BARTSCH & SÁFIÁN 2024, COSTA *et al.* 2024, KISS 2024, SÁFIÁN *et al.* 2024), 14 species of ichneumon wasps (Hymenoptera) (VAS 2024*a*, *b*, *c*, *d*, *e*, *f*, VAS *et al.* 2024), 2 species of dustywings and 1 species of spongillaflies (Neuroptera) (SZIRÁKI 2024, SZŐKE 2024), and 4 species of stoneflies (Plecoptera) (MURÁNYI & KOVÁCS 2024).

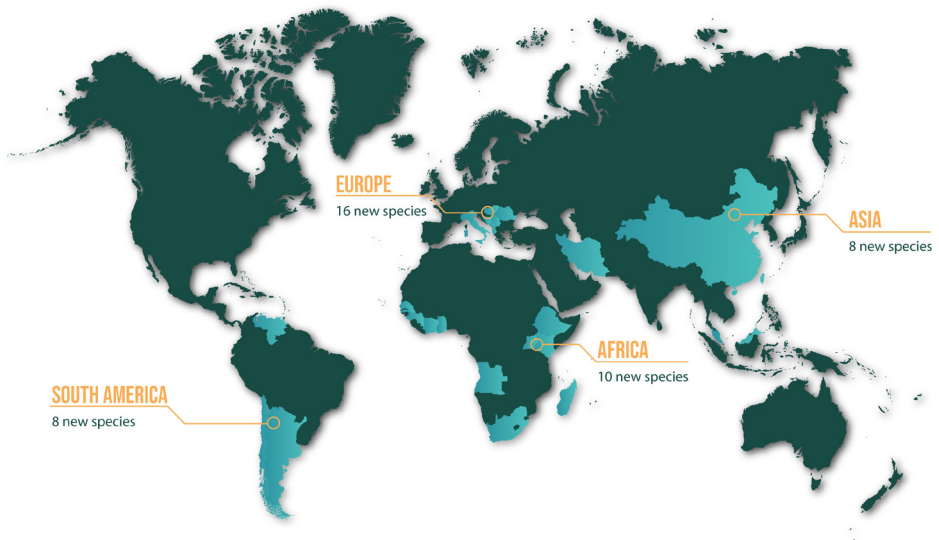


Figure 1. Collecting localities of the type material of new species at county level (light blue), and their numbers per continents (compiled by Viktória Szőke)

New species were described from 23 countries of the world: 7 European (Albania, Bosnia-Herzegovina, Hungary, Italy, Montenegro, Romania, Serbia), 3 Asian (China, Iran, Malaysia), 10 African (Angola, Ethiopia, Ghana, Guinea, Ivory Coast, Kenya, Madagascar, Republic of South Africa, Senegal, Uganda), and 3 South American countries (Argentina, Chile, Venezuela) (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 are indicated in square brackets at country level. Extinct taxa are marked with the † symbol (in this case, the geological period or epoch is also indicated in square brackets).

Phylum: Chordata
Class: Mammalia
ORDER: CHIROPTERA
Family: Vespertilionidae

Murina yushuensis Han, Csorba et Wu, 2024 [China]

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

Capys arba Sáfián et Fric, 2024 [Ethiopia]
Capys moroto Sáfián et Collins, 2024 [Uganda]
Capys robertsi Collins et Sáfián, 2024 [Kenya]
Capys smithi Takano et Sáfián, 2024 [Ivory Coast, Ghana]
Thaeides hyperion Bálint, Costa et Vilorio, 2024 [Venezuela]
Violatheclus Bálint, 2024

Family: Noctuidae

Hampsonidia georgii Kiss, 2024 [China]
Hampsonidia rocinante Kiss et Han, 2024 [China]

Family: Sesiidae

Afranthrene Bartsch et Sáfián, 2024*Afranthrene cinerea* Bartsch et Sáfián, 2024 [Angola]

ORDER: HYMENOPTERA

Family: Ichneumonidae

Alophosphion lendli Vas, 2024 [Chile]*Alophosphion mahunkai* Vas, 2024 [Chile]*Campoletis yaga* Vas, 2024 [Chile]*Diadegma kovacsi* Vas, 2024 [Argentina]*Diadegma topali* Vas, 2024 [Argentina]*Diadegma vezenyii* Vas, 2024 [Argentina]*Hyposoter ara* Vas, 2024 [Malaysia]*Hyposoter daeva* Vas, 2024 [Iran]*Hyposoter djalai* Vas, 2024 [Malaysia]*Nemeritis centurio* Vas, 2024 [Argentina]*Olesicampe africana* Vas, 2024 [Guinea]*Porizon dahaka* Vas, 2024 [Iran]*Sinophorus runei* Vas, 2024 [Republic of South Africa]*Venturia dayang* Vas, 2024 [Malaysia]

ORDER: NEUROPTERA

Family: Coniopterygidae

Nimboa timnewi Sziráki, 2024 [Madagascar]*Nimboa vkrivohatszkii* Sziráki, 2024 [Madagascar]

Family: Sisyridae

Sisyborina arrietty Szőke, 2024 [Senegal]

ORDER: PLECOPTERA

Family: Leuctridae

Leuctra enigma Kovács et Murányi, 2024 [Albania]*Leuctra golija* Murányi et Kovács, 2024 [Serbia]*Leuctra puskasi* Murányi et Kovács, 2024 [Bosnia-Herzegovina]*Leuctra visitor* Murányi et Kovács, 2024 [Montenegro]

Class: Arachnida
 ORDER: PSEUDOSCORPIONES
 Family: Garypinidae

†*Ajkagarypinus* Novák, Harvey, Szabó, Hammel, Harms, Kotthoff, Hörweg, Brazidec et Ösi, 2024

†*Ajkagarypinus stephani* Novák, Harvey, Szabó, Hammel, Harms, Kotthoff, Hörweg, Brazidec et Ösi, 2024 [Hungary, Cretaceous]

Phylum: Annelida
 Class: Clitellata
 ORDER: ENCHYTRAEIDA
 Family: Enchytraeidae

Marionina orbifera Felföldi, Nagy et Dózsa-Farkas, 2024 [Italy]

Marionina puntaalanensis Felföldi, Nagy et Dózsa-Farkas, 2024 [Italy]

Marionina reicharti Felföldi, Nagy et Dózsa-Farkas, 2024 [Hungary]

Phylum: Mollusca
 Class: Gastropoda
 ORDER: NEOGASTROPODA
 Family: Muricidae

†*Acanthais? sutii* Kovács et Vicián, 2024 [Hungary, Miocene]

†*Attiliosa juhaszi* Kovács et Vicián, 2024 [Hungary, Miocene]

†*Coralliophila subscarrosa* Kovács et Vicián, 2024 [Hungary, Miocene]

†*Galeropsis badenica* Kovács et Vicián, 2024 [Hungary, Miocene]

†*Gracilipurpura? evae* Kovács et Vicián, 2024 [Hungary, Miocene]

†*Murexsul sztanoae* Kovács et Vicián, 2024 [Romania, Miocene]

†*Pazinotus martonszaboi* Kovács et Vicián, 2024 [Hungary, Miocene]

Phylum: Brachiopoda
 Class: Rhynchonellata
 ORDER: RHYNCHONELLIDA
 Family: †Cyclothyrididae

†*Galatirhynchia* Vörös, 2004

Family: †Norellidae

†*Fenyveskutella fallax* Vörös, 2004 [Hungary, Jurassic]

ORDER: TEREBRATULIDA
Family: †Muirwoodellidae

†*Hajagithyris* Vörös, 2004

Family: †Zugmayeriidae

†*Paralinguithyris* Vörös, 2004

†*Pseudopapodina* Vörös, 2004

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A 2024. év tudományra új taxonjai a Magyar Természettudományi Múzeumban

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Összefoglalás – Jelen munkában a szerzők a Magyar Nemzeti Múzeum Közgyűjteményi Központ – Magyar Természettudományi Múzeum tudományos munkatársai és önkéntes kutatói által 2024-ben tudományra újként leírt taxonokat tekintik át és összegzik. A listában 42 fajcsoport- és 7 nemzetségcsoportnevet sorolnak fel. Egy ábrával.

Kulcsszavak – áttekintés, biodiverzitás, taxonómia, új fajok, új nemzetségek

ÁBRAMAGYARÁZAT

1. ábra. A tudományra új fajok típusanyagának ország szintű lelőhelyei (világoskék) és kontinensenként összegzett száma (a grafikát Szőke Viktória készítette)

* Levelező szerző.