

**ANNOTATED CHECKLIST OF MILLIPEDE OF THE INFRACLASS  
Pentazonia (Myriapoda: Diplopoda) OF INDONESIA**

**Anh D. Nguyen<sup>1,2,\*</sup>, Katsuyuki Eguchi<sup>3,4</sup>, Petra Sierwald<sup>5</sup>**

<sup>1</sup>Institute of Ecology and Biological Resources, Vietnam Academy of Science and Technology,  
18 Hoang Quoc Viet, Ha Noi, Vietnam

<sup>2</sup>Graduate University of Science and Technology, Vietnam Academy of Science and  
Technology, 18 Hoang Quoc Viet, Ha Noi, Vietnam

<sup>3</sup>Faculty of Science, Tokyo Metropolitan University, Hachioji-shi, Tokyo Prefecture, Japan

<sup>4</sup>Institute of Tropical Medicine, Nagasaki University, Nagasaki Prefecture, Japan

<sup>5</sup>Field Museum of Natural History, 1400 S. Lakeshore Driver, 60605, Chicago, IL, USA

Received 26 August 2023; accepted 28 November 2023

**ABSTRACT**

A comprehensive checklist of millipedes of the infraclass Pentazonia is compiled for Indonesia. A total of 80 species assigned to 11 genera, three families and three orders has so far been recorded. Two genera are remarkably species-rich: *Castanotherium* (36 species) and *Hyleoglomeris* (15 species). Three genera, *Malayomeris*, *Rajasphaera*, *Leptoprotopus* are monotypic. Most of the species are endemic, recorded only in Indonesia (71 species).

**Keywords:** Bibliography, biodiversity, checklist, fauna, Indonesia, Southeast Asia.

---

*Citation:* Anh D. Nguyen, Katsuyuki Eguchi, Petra Sierwald, 2023. Annotated checklist of millipede of the infraclass Pentazonia (Myriapoda: Diplopoda) of Indonesia. *Academia Journal of Biology*, 45(4): 11–40. <https://doi.org/10.15625/2615-9023/18712>

\*Corresponding author email: [ducanh.iebr@gmail.com](mailto:ducanh.iebr@gmail.com) or [ndanh@iebr.vast.vn](mailto:ndanh@iebr.vast.vn)

## INTRODUCTION

Located in Southeast Asia and Oceania between the Indian and Pacific oceans, Indonesia is known as an island country consisting of over 17,000 islands, including the largest ones, such as Sumatra, Java, Sulawesi, and Kalimantan (Indonesian part of Borneo). Its territory covers about 1,904,569 square kilometres (735,358 square miles).

With a huge area, tropical climate, and archipelagic geography, Indonesia is supported to harbour rich biodiversity; it represents one of 17 megadiverse countries in the world, hosting 17% of the world's wildlife, such as mammals (515 species), birds (about 1,519 species), reptiles (more than 600 species), amphibians (about 270 species) and palms (400 species) (Carew-Reid, 2002). Interestingly, Indonesian fauna and flora are a mixture of Asian and Australasian components separated by Wallace's line. To the west of the line, the Sunda Shelf islands (Sumatra, Java, Borneo, and Bali) were once linked to mainland Asia (approximately 12,000–110,000 years ago) and have a wealth of Asian fauna, representing with large mammals, for example the Sumatran tiger, rhinoceros, Asian elephant, while, to the east of the line, New Guinea was part of the Australian landmass and is home to a unique fauna and flora closely related to that of Australia, including over 600 bird species (Carew-Reid, 2002). This country is also second only to Australia in terms of the total number of endemic species, with 36% of its 1,519 species of bird and 39% of its 515 species of mammal being endemic. Though Indonesia is a rich diversity country, many taxa, including terrestrial invertebrates are still unknown or poorly studied.

Of invertebrates, millipede (class Diplopoda) is one of the most diverse groups in nature (Golovatch & Kime, 2009; Minelli, 2015). To date, about 12,000 species have been described, but 80,000 species are estimated to exist (Golovatch & Kime, 2009; Minelli, 2015). Millipedes are detritivores animals that feed on dead leaves and tree

branches, and play important roles as mechanical decomposers in the healthy nutrient cycle of terrestrial ecosystems. Their activities accelerate the decay of organic matter, and return material and nutrients to the ecosystem (Hopkin & Read, 1992; Golovatch & Kime, 2009). Furthermore, millipedes producing a variety of defensive chemical compounds may provide a cure for acquired immune-deficiency syndrome and other serious diseases (Jiang et al., 1981). Therefore, a greater understanding of millipedes will enable more-effective discovery, sustainable use and/or protection of bio-resources.

The millipedes of Indonesia and Borneo Island were studied beginning in the late 19th century, and investigations continued during the 20th century, for example, Attems (1898, 1907, 1930a,b), Silvestri (1895, 1917), Golovatch (1996). However, there is no comprehensive list of all millipede species recorded from Indonesia. The present checklist is, therefore, compiled and updated with the latest classification and literature to accelerate the study on the millipede fauna of Indonesia. Due to the page limitation of the journal, the checklist has to be separated into several parts. Herein, we firstly present the catalogue of the infraclass Pentazonia.

## MATERIALS AND METHODS

At the beginning, species and distribution data were extracted from the global diplopod species database in the Field Museum of Natural History, Chicago, USA. Then, all relevant taxa and associated literature were checked and added into the checklist.

The classification follows Hoffman (1980), Wesener in Minelli (2015) and Wesener (1916a). Species are listed in alphabetical order within their current genus, and include the synonyms of each species with each author(s), year, published journal or book, volume (issue), page(s) and figure(s) (if applicable). Deposition of type specimens were checked from original references or online database of relevant museums or referred to available references; the question

mark indicates the uncertain deposition, which needs to be confirmed. Locality records of millipedes in Indonesia are based on the available reported information (original paper and additional literature). Remarks on taxonomic problems or locality records are also provided separately.

### Abbreviations

AMNH: American Museum of Natural History, New York, USA; HNHM: Hungarian Natural History Museum, Budapest, Hungary; HNMB: Hungarian National Museum, Budapest, Hungary; IEPN: Istituto di Entomologia Generale et Agraria in Portici, Napoli, Italy; MCZ: Museum of Comparative Zoology, Harvard University, USA; MHNG: Muséum d'histoire naturelle de Genève, Switzerland; MNHN: Muséum national d'Histoire naturelle, Paris, France; MTD: Museum für Tierkunde, Dresden, Germany; MZB: Museum Zoologicum Bogoriense, Indonesia; MZLU: Lund Universitets Zoologiska Museum, Lund, Sweden; NHMG: Natural History Museum Giacomo Doria, Italy; NHML: Natural History Museum, London, England; NHMW: Naturhistorisches Museum Wien, Vienna, Austria; NMB: Naturhistorisches Museum, Basel; NMH: Naturhistorischen Museum in Hamburg, Germany; SMF: Forschungsinstitut und Naturmuseum Senckenberg, Frankfurt, Germany; ZMB: Zoologisches Museum Berlin, Berlin, Germany.

## RESULTS

### Catalogue of the infraclass PENTAZONIA

#### Order GLOMERIDESMIDA

#### Family Glomeridesmidae Latzel, 1884

#### Genus *Glomeridesmus* Gervais, 1844

Type species: *Glomeridesmus porcellus* Gervais in Gervais & Goudot, 1844

Synonyms: *Zephroniodesmus* Pocock, 1894; *Javadesmus* Verhoeff, 1929.

Remarks: See Jeekel (2003), Shelley (2011) and Wesener et al. (2021) for more citations and geographical distribution.

#### *Glomeridesmus javanicus* Attems, 1907

*Glomeridesmus javanicus* Attems, 1907: Mitteilungen aus dem Naturhistorischen Museum in Hamburg, 24: 106, figs 18–22, plate 1, figs 4–8.

*Glomeridesmus javanicus*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 151.

*Glomeridesmus javanicus*:-- Attems, 1926: Handbuch der Zoologie 4: 116, fig. 116.

*Glomeridesmus javanicus*:-- Carl, 1942: Revue Suisse de Zoologie 49: 136.

*Glomeridesmus javanicus*:-- Jeekel, 2003: Myriapod Memoranda, 6: 104.

*Glomeridesmus javanicus*:-- Shelley, 2011: Insecta Mundi, 0196: 3.

Type specimens: NMH (Attems, 1907).

Type locality: Indonesia (Java: Tjibodas)

Record from Indonesia: Java (Tjibodas; Buitenzorg (=Bogor); Tulakan, Bungur, Gua Somopuro cave).

Distribution: Only known from Indonesia.

Remarks: Shelley et al. (2011) noted that the species was designated as the type of the monotypic genus, *Javadesmus* Carl, 1942, but it has never been formally cited in the combination with this genus.

#### *Glomeridesmus sumatranus* Pocock, 1894

*Glomeridesmus sumatranus* Pocock, 1894a: Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien 3: 333.

*Glomeridesmus sumatranus*:-- Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, 34, ser. 2: 724.

*Glomeridesmus sumatranus*:-- Wang, 1967: Quarterly Journal of the Taiwan Museum 20: 393.

*Glomeridesmus sumatranus*:--Jeekel, 1971: Monografieën van de Nederlandse Entomologische Vereniging, 5: 33.

*Glomeridesmus sumatranus*:-- Jeekel, 2003: Myriapod Memoranda, 6: 106.

*Glomeridesmus sumatranus*:-- Shelley, 2011: Insecta Mundi, 0196: 3.

*Zephroniodesmus sumatranus*:-- Pocock, 1894b: Journal of the Linnean Society of London {Zoology}, 24: 476.

*Zephroniodesmus sumatranus*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 151.

Type specimens: MHNG? (Silvestri, 1895)

Type locality: Indonesia (Sumatra: Mt. Singalang).

Record from Indonesia: Sumatra (Singalang Mt. (Pocock, 1894a; Jeekel, 2003); Krui, Pahmungan; Muarabungo, Rantau Pandan; Koto aur Malintang; Sumpur Kudus, Sibiluru; Kubu Prau (Shelley, 2011)).

Distribution: Also known from Singapore (Bukit Timah) (Wang, 1967).

## Order GLOMERIDA

### Family Glomeridae Leach, 1815

#### Genus *Apheromeris* Silvestri, 1917

Type species: *Apiomeris partialis* Silvestri, 1917, by original designation.

Remarks. Jeekel (1971) elevated subgenus *Apiomeris* (*Apheromeris*) to full generic rank, and all its three species was subsequently assigned to *Apheromeris*.

#### *Apheromeris partialis* (Silvestri, 1917)

*Apiomeris* (*Apheromeris*) *partialis* Silvestri, 1917: Records of the Indian Museum, 13(3): 131, fig. 21.

*Apheromeris partialis*:-- Jeekel, 1971: Monografieen van de Nederlandse Entomologische Vereniging, 5: 12(subsequently assigned).

*Apheromeris partialis*:-- Hoffman, 1980: Classification of the Diplopoda: 67.

Type specimens: Indian Museum (Silvestri, 1917).

Type locality: Indonesia (Java: Pengalengan).

Record from Indonesia: Java (Pengalengan).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

#### *Apheromeris parvella* (Silvestri, 1917)

*Apiomeris* (*Apheromeris*) *parvella* Silvestri, 1917: Records of the Indian Museum, 13(3): 134, fig. 23.

*Apheromeris parvella*:-- Jeekel, 1971: Monografieen van de Nederlandse Entomologische Vereniging, 5: 12(subsequently assigned).

*Apheromeris parvella*:-- Hoffman, 1980: Classification of the Diplopoda: 67.

Type specimens: Indian Museum (Silvestri, 1917).

Type locality: Indonesia (Java: Gedé).

Record from Indonesia: Java (Gedé).

Distribution: Only known from Indonesia.

Remarks: The species is similar to *A. totalis* Silvestri, 1917 in size and colour, but differentiated in only more laterally produced thoracic shield, and more transverse striae (Silvestri, 1917).

#### *Apheromeris totalis* (Silvestri, 1917)

*Apiomeris* (*Apheromeris*) *totalis* Silvestri, 1917: Records of the Indian Museum, 13(3): 132, fig. 22.

*Apheromeris totalis*:-- Jeekel, 1971: Monografieen van de Nederlandse Entomologische Vereniging, 5: 12 (subsequently assigned).

*Apheromeris totalis*:-- Hoffman, 1980: Classification of the Diplopoda: 67.

Type specimens: Indian Museum (Silvestri, 1917).

Type locality: Indonesia (Java: Pengalengan).

Record from Indonesia: Java (Pengalengan).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

#### Genus *Apiomeris* Cook, 1894

Type species: *Glomeris infuscata* Pocock, 1894, by original designation.

***Apiomeris infuscata* (Pocock, 1894)**

*Glomeris infuscatus* Pocock, 1894a: Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien, 3: 324, plate 19-fig. 10.

*Apiomeris infuscata*:-- Cook, 1896: Brandtia, 10: 44.

*Glomeris infuscata*:-- Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, vol. 34, ser. 2: 721.

*Glomeris infuscata*:-- Sinclair, 1901: Proceedings of the Zoological Society of London, 1901: 528.

*Glomeris infuscata*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 138.

*Apiomeris (Apiomeris) infuscata*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 136, fig. 24.

Type specimens: NHML (Pocock, 1894).

Type locality: Indonesia (Sumatra: Mt. Singalang).

Record from Indonesia: Sumatra (Mt. Singalang).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

**Genus *Hyleoglomeris* Verhoeff, 1910**

Type species: *Hyleoglomeris multilineata* Verhoeff, 1910, by subsequent designation.

Synonyms: *Nesoglomeris* Carl, 1912; *Sundameris* Verhoeff, 1936; *Perkeomeris* Verhoeff, 1936; *Okeanomeris* Verhoeff, 1942; *Zygethomeris* Chamberlin, 1921.

Remarks: See Golovatch et al. (2006) and Wesener (2015) for more citations and updated diagnosis.

***Hyleoglomeris albicornis* (Pocock, 1894)**

*Glomeris albicornis* Pocock, 1894: Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien, 3: 323, plate 19, fig. 10.

*Glomeris albicornis*:-- Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, vol. 34, ser. 2: 720.

*Glomeris albicornis*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 138.

*Apiomeris (Hyleoglomeris) albicornis*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 150.

*Hyleoglomeris albicornis*:-- Golovatch et al., 2006: Zoosystema, 28(4): 890.

Type specimens: NMHL (Pocock, 1894).

Type locality: Indonesia (Sumatra: Singkarah).

Record from Indonesia: Sumatra (Singkarah).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris alticola* (Carl, 1912)**

*Nesoglomeris alticola* Carl, 1912: Revue Suisse de Zoologie, 20: 103.

*Hyleoglomeris alticola*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 139.

*Apiomeris (Hyleoglomeris) alticola*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 151.

*Nesoglomeris alticola*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 92.

*Hyleoglomeris alticola*:-- Golovatch et al., 2006: Zoosystema, 28(4): 890.

*Hyleoglomeris alticola*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 186.

Type specimens: NMB (DIPL-00111a) (Hollier et al., 2020)

Type locality: Indonesia (Celebes = Sulawesi).

Record from Indonesia: Sulawesi (Bowanglangi).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris beccarii* (Silvestri, 1917)**

*Apiomeris (Hyleoglomeris) beccarii* Silvestri, 1917: Records of the Indian Museum, 13(3): 129, fig. 20.

*Hyleoglomeris beccarii*:-- Golovatch et al., 2006: Zoosystema, 28(4): 890.

Type specimens: NHMG (Silvestri, 1917).

Type locality: Indonesia (Sumatra: Mt. Singalan).

Record from Indonesia: Sumatra (Mt. Singalan).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris contrasta* Golovatch & Geoffroy, 2012**

*Hyleoglomeris contrasta* Golovatch & Geoffroy, 2012: Arthropoda Selecta, 21(3): 217, Figs. 1A–C & 2.

Type specimens: MZB, MNHN, ZMUM (Golovatch & Geoffroy, 2012).

Type locality: Indonesia (Jawa Tengah).

Record from Indonesia: Java (Jawa Tengah, Nusakambangan Isle, Cilacap, Cilacap South, near Cave Goa Batu Gantung).

Distribution: Only known from Indonesia.

***Hyleoglomeris diversicolor* (Silvestri, 1895)**

*Glomeris diversicolor* Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, vol. 34, ser. 2: 721.

*Glomeris? diversicolor*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 138.

*Apiomeris (Hyleoglomeris) diversicolor*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 128, fig. 19.

*Hyleoglomeris diversicolor*:-- Golovatch et al., 2006: Zoosystema, 28(4): 890. Type specimens: NHMG (Silvestri, 1917).

Type locality: Indonesia (Sumatra: Si-Rambè).

Record from Indonesia: Sumatra (Si-Rambè).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris eremita* (Carl, 1912)**

*Nesoglomeris eremita* Carl, 1912: Revue Suisse de Zoologie, 20: 102.

*Hyleoglomeris eremita*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 139.

*Apiomeris (Hyleoglomeris) eremita*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 151.

*Nesoglomeris eremita*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 92.

*Hyleoglomeris eremita*:-- Golovatch et al., 2006: Zoosystema, 28(4): 890.

*Hyleoglomeris eremita*:-- Hollier et al., 2020: Revue suisse de Zoologie, 127(1): 199.

Type specimens: NMB (DIPL-00110a) (Hollier et al., 2020).

Type locality: Indonesia (Celebes = Sulawesi: Bowanglangi).

Record from Indonesia: Sulawesi (Bowanglangi: 1,200–1,500 m).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris formosa* (Silvestri, 1895)**

*Glomeris formosa* Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, vol. 34, ser. 2: 720.

*Gloemris formosa*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 138.

*Apiomeris (Hyleoglomeris) formosa*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 125, fig. 18.

*Hyleoglomeris formosa*:-- Golovatch et al., 2006: Zoosystema, 28(4): 890.

Type specimens: NHMG (Silvestri, 1917).

Type locality: Indonesia (Sumatra: Benkoelen).

Record from Indonesia: Sumatra (Benkoelen = Bengkulu).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris fusca* Golovatch & Geoffroy, 2012**

*Hyleoglomeris fusca* Golovatch & Geoffroy, 2012: Arthropoda Selecta, 21(3): 220, figs 1D-F & 3. Type specimens: MZB, MNHN, ZMUM (Golovatch & Geoffroy, 2012).

Type locality: Indonesia (Java: Jawa Tengah).

Record from Indonesia: Java (Jawa Tengah, Nusakambangan Isle, Ujung Galang, Klaces, near Goa Maria).

Distribution: Only known from Indonesia.

***Hyleoglomeris jacobsoni* (Silvestri, 1917)**

*Apiomeris (Hyleoglomeris) jacobsoni* Silvestri, 1917: Records of the Indian Museum, 13(3): 122, fig. 16.

*Hyleoglomeris jacobsoni*:-- Attems, 1930b: Mitteilungen aus dem Zoologischen Museum in Berlin, 16: 121.

*Sundameris jacobsoni*:-- Verhoeff, 1935: Transactions of the Sapporo Natural History Society, 14(3): 163.

*Hyleoglomeris jacobsoni*:-- Golovatch et al., 2006: Zoosystema, 28(4): 890.

Type specimens: Indian Museum (Silvestri, 1917).

Type locality: Indonesia (Java: Nongkodjadjar).

Record from Indonesia: Java (Nongkodjadjar) (Silvestri, 1917); Bali (Gitgit); Sumbawa (Batoe Doelang); Flores (Geli Moetoe) (Attems, 1930b).

Distribution: Only known from Indonesia.

Remarks: Verhoff (1936) created a new genus *Sundameris* to only incorporate *H. jacobsoni* based solely on the 3-segmented male telopodites as illustrated by Attems (1930). Golovatch et al. (2006) stated that the conspecificity of Attems' samples with type material should be verified.

***Hyleoglomeris kirropeza* (Attems, 1897)**

*Glomeris kirropeza* Attems, 1897: In: Kükenthal W: Ergebnisse einer zoologischen

Forschungsreise in den Molukken und Borneo, im Auftrage der Senckenbergischen naturforschenden Gesellschaft ausgeführt. 2. Teil, 2: 480.

*Nesoglomeris kirropeza*:-- Carl, 1912: Revue Suisse de Zoologie, 20: 102.

*Hyleoglomeris kirropeza*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 139.

*Apiomeris (Hyleoglomeris) kirropeza*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 148.

*Nesoglomeris kirropeza*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 92.

*Hyleoglomeris kirropeza*:-- Golovatch et al., 2006: Zoosystema, 28(4): 891. Type specimens: unknown.

Type locality: Indonesia (Sulawesi: Minahassa).

Record from Indonesia: Sulawesi (Minahassa; (Attems, 1897) Lokon; Sopotan (Carl, 1912)).

Distribution: Only known from Indonesia.

***Hyleoglomeris multilineata* Verhoeff, 1910**

*Hyleoglomeris multilineata* Verhoeff, 1910: Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin, 1910(5): 248, plate 9-figs 1–2.

*Hyleoglomeris multilineata*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 139.

*Apiomeris (Hyleoglomeris) multilineata*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 107, figs 1–3, 6, figs 4.1–4.2, figs 5.1–5.2.

*Hyleoglomeris multilineata*:-- Golovatch et al., 2006: Zoosystema, 28(4): 891. Type specimens: ZMB (Silvestri, 1917).

Type locality: Indonesia (Kalimanta: Bengkajong).

Record from Indonesia: Kalimantan (Bengkajong).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris modiglianii* (Silvestri, 1895)**

*Glomeris modiglianii* Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, vol. 34, ser. 2: 720.

*Gloemris modiglianii*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 138.

*Apiomeris (Hyleoglomeris) modiglianii*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 123, fig. 17.

*Hyleoglomeris modiglianii*:-- Golovatch et al., 2006: Zoosystema, 28(4): 891.

Type specimens: NHMG (Silvestri, 1917).

Type locality: Indonesia (Nias: Lelemboli).

Record from Indonesia: Nias (Lelemboli).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris paucilineata* (Silvestri, 1917)**

*Apiomeris (Hyleoglomeris) paucilineata* Silvestri, 1917: Records of the Indian Museum, 13(3): 115, fig. 10.

*Hyleoglomeris paucilineata*:-- Golovatch et al., 2006: Zoosystema, 28(4): 891. Type specimens: ZMB (Silvestri, 1917).

Type locality: Indonesia (Kalimanta: Kutei).

Record from Indonesia: Kalimantan (Kari Orang, Kutei).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris zonifera* (Silvestri, 1917)**

*Apiomeris (Hyleoglomeris) zonifera* Silvestri, 1917: Records of the Indian Museum, 13(3): 111, fig. 8.

*Hyleoglomeris zonifera*:-- Golovatch et al., 2006: Zoosystema, 28(4): 891. Type specimens: ZMB (Silvestri, 1917).

Type locality: Indonesia (Kalimanta: Kutei).

Record from Indonesia: Kalimantan (Kari Orang, Kutei).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Hyleoglomeris sarasinorum* (Carl, 1912)**

*Nesoglomeris sarasinorum* Carl, 1912: Revue Suisse de Zoologie, 20: 101, taf 6, fig. 36.

*Hyleoglomeris sarasinorum*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 139.

*Apiomeris (Hyleoglomeris) sarasinorum*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 151.

*Nesoglomeris sarasinorum*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 91.

*Hyleoglomeris sarasinorum*:-- Jeekel, 1971: Monografieën van de Nederlandse Entomologische Vereniging, 5: 15.

*Hyleoglomeris sarasinorum*:-- Golovatch et al., 2006: Zoosystema, 28(4): 891.

*Hyleoglomeris sarasinorum*:-- Hollier et al., 2020: Revue suisse de Zoologie, 127(1): 227. Type specimens: MHNG (ARTO-14298), NMB (DIPL-00108a) (Hollier et al., 2020).

Type locality: Indonesia (Celebes = Sulawesi: Loka).

Record from Indonesia: Sulawesi (Loka).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

**Genus *Malayomeris* Verhoeff, 1910**

Type species: *Malayomeris martensi* Verhoeff, 1910, by monotypy.

Remarks: No other species have been assigned to this genus since its original proposal. It is considered to be an endemic genus for the Indonesian fauna.

***Malayomeris martensi* Verhoeff, 1910**

*Malayomeris martensi* Verhoeff, 1910: Sitzungsberichte der Gesellschaft der



Naturforschenden Freunde zu Berlin, 1910(5): 244, plate 9, figs 5–7.

*Malayomeris martensi*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 139.

*Apiomeris (Malayomeris) martensi*:-- Silvestri, 1917: Records of the Indian Museum, 13(3): 139, figs 25–26.

*Malayomeris martensi*:-- Jeekel, 1971: Monografieen van de Nederlandse Entomologische Vereniging, 5: 15.

Type specimens: ZMB (Silvestri, 1917).

Type locality: Indonesia (Sumatra: Kepatiang).

Record from Indonesia: Sumatra (Kepatiang).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

## Order SPHAEROTHERIIDA

### Family Zephroniidae Gray in Jones, 1843

#### Genus *Bothrobelum* Verhoeff, 1924

Type species: *Bothrobelum rugosum* Verhoeff, 1924.

Remarks: The genus has been only known from Indonesia. It is considered to be an endemic genus for the Indonesian fauna.

#### *Bothrobelum rugosum* Verhoeff, 1924

*Bothrobelum rugosum* Verhoeff, 1924: Arkiv för Zoologie, 16(5): 67.

*Bothrobelum rugosum*:-- Jeekel, 1971: Monografieen van de Nederlandse Entomologische Vereniging, 5: 23.

*Bothrobelum rugosum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 13.

*Bothrobelum rugosum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 27. Type specimens: unknown.

Type locality: Indonesia (Kalimantan: Landak).

Records from Indonesia: Kalimantan (Landak).

Distribution: Only known from Indonesia.

#### Genus *Rajasphaera* Attems, 1935

Type species: *Rajasphaera montana* Attems, 1935.

Remarks: See Wesener (2016: 50) for updated diagnosis of this genus.

#### *Rajasphaera montana* Attems, 1935

*Rajasphaera montana* Attems, 1935: Archiv für Hydrobiologie, Supplement, 14: 132, figs 18–22.

*Rajasphaera montana*:-- Hoffman, 1976: Entomologische Mitteilungen aus dem Zoologischen Staatsinstitut und Zoologischen Museum Hamburg, 5(95):121, figs 1–5, 9.

*Rajasphaera montana*:-- Jeekel, 2001: Myriapod Memoranda, 3: 31.

*Rajasphaera montana*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 50. Type specimens: ZMB (Wesener, 2016a).

Type locality: Indonesia (Kalimantan: Mt. Raja).

Records from Indonesia: Kalimantan (Mt. Raja).

Distribution: Only known from Indonesia.

Remarks: Wesener (2016) noted that telopods of the holotype are missing.

#### Genus *Castanotherium* Pocock, 1895

Type species: *Castanotherium hosei* Pocock, 1895.

Synonyms: *Borneopoeus* Verhoeff, 1924; *Pulusphaera* Attems, 1935

Remarks: See Jeekel (2001: 25) for more citations; Wesener (2016: 42) for more citations and updated diagnosis.

#### *Castanotherium amythrum* (Attems, 1897)

*Zephronia amythra* Attems, 1897: In: Kükenthal W: Ergebnisse einer zoologischen Forschungsreise in den Molukken und Borneo, im Auftrage der Senckenbergischen naturforschenden Gesellschaft ausgeführt. 2. Teil, 2: 483.

*Zephronia amythra*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 144.

*Castanotherium amythrum*:-- Chamberlin, 1920: Annals of the Entomological Society of America, 13: 91.

*Castanotherium amythrum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 26.

*Castanotherium amythrum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 43. Type specimens: NHMW? (Wesener, 2016a).

Type locality: Indonesia (Halmahera).

Records from Indonesia: Halmahera (Soah Konorah).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium boetonense* Carl, 1912**

*Castanotherium boetonense* Carl, 1912: Revue Suisse de Zoologie, 20: 119, fig. 8.

*Castanotherium boetonense*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 149.

*Castanotherium boetonense*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 91.

*Castanotherium boetonense*:-- Jeekel, 2001: Myriapod Memoranda, 3: 26.

*Castanotherium boetonense*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 43.

*Castanotherium boetonense*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 190. Type specimens: unknow.

Type locality: Indonesia (Sulawesi: Butung Isl.).

Records from Indonesia: Sulawesi (Butung Isl.).

Distribution: Only known from Indonesia.

Remarks: There are no type specimens in MNHG and SMF though they are expected to be there (Hollier et al., 2020).

***Castanotherium celebense* Silvestri, 1897**

*Castanotherium celebense* Silvestri, 1897a: Abhandlungen und Berichte des K. Zoologischen und Anthropologisch-

Ethnographischen Museums zu Dresden, 6, No.9: 15, figs 20–22.

*Castanotherium celebense*:-- Carl, 1912: Revue Suisse de Zoologie, 20: 86.

*Castanotherium celebense*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 149.

*Castanotherium celebense*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 90.

*Castanotherium celebense*:-- Jeekel, 2001: Myriapod Memoranda, 3: 26.

*Castanotherium celebense*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 44.

Type specimens: MTD (282) (Wesener, 2016a).

Type locality: Indonesia (Sulawesi: Minahassa).

Records from Indonesia: Sulawesi (Minahassa).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium cinctum* (Carl, 1906)**

*Sphaeropoeus cinctus* Carl, 1906: Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere, 24(3): 235, plate 17-figs 23–26.

*Castanotherium cinctum*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 149.

*Castanotherium cinctum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 26.

*Castanotherium cinctum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 44.

*Castanotherium cinctum*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 193.

Type specimens: MHNG (ARTO-18447) (Hollier et al., 2020).

Type locality: Indonesia (Sumatra).

Records from Indonesia: Sumatra.

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium conspicuum* Silvestri, 1897**

*Castanotherium conspicuum* Silvestri, 1897a: Abhandlungen und Berichte des K. Zoologischen und Anthropologisch-Ethnographischen Museums zu Dresden, 6: 15, plate 2-figs 78–79.

*Castanotherium conspicuum*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 149.

*Castanotherium conspicuum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 26.

*Castanotherium conspicuum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 44.

Type specimens: MTD (282) (Wesener, 2016a).

Type locality: Indonesia (Southwest Kalimantan).

Records from Indonesia: Southwest Kalimantan.

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium costatum* (Verhoeff, 1924)**

*Borneopoeus costatus* Verhoeff, 1924: Arkiv för Zoologi, 16(5): 60.

*Castanotherium costatum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 26.

*Castanotherium costatum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 44. Type specimens: NHML (Wesener, 2016a).

Type locality: Indonesia (Kalimanta).

Records from Indonesia: Kalimantan (Central Borneo).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium criniceps* (Attems, 1897)**

*Zephronia criniceps* Attems, 1897: In: Kükenthal W: Ergebnisse einer zoologischen Forschungsreise in den Molukken und Borneo, im Auftrage der Senckenbergischen

naturforschenden Gesellschaft ausgeführt. 2. Teil, 2: 482, plate 21-fig. 8.

*Castanotherium criniceps*:-- Carl, 1906: Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere, 24(3): 234.

*Castanotherium criniceps*:-- Carl, 1912: Revue Suisse de Zoologie, 20: 112, fig. 4.

*Castanotherium criniceps*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 149.

*Castanotherium criniceps*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 90.

*Castanotherium criniceps*:-- Jeekel, 2001: Myriapod Memoranda, 3: 26.

*Castanotherium criniceps*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 44. Type specimens: NHMW? (Wesener, 2016a).

Type locality: Indonesia (Sulawesi: Minahassa).

Records from Indonesia: Sulawesi (Minahassa; Vokano Sopotan; Tomohon).

Distribution: Only known from Indonesia.

***Castanotherium crinitum* (Attems, 1935)**

*Pulusphaera crinita* Attems, 1935: Archiv für Hydrobiologie, Supplement, 14: 138.

*Castanotherium crinitum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 26.

*Castanotherium crinitum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 44. Type specimens: NHMW? (Wesener, 2016a).

Type locality: Indonesia (Kalimantan: Mt. Abat).

Records from Indonesia: Kalimantan (Mt. Abat).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium decoratum* Carl, 1912**

*Castanotherium decoratum* Carl, 1912: Revue Suisse de Zoologie, 20: 86, 118, fig. 7.

*Castanotherium decoratum*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 150.

*Castanotherium decoratum*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 91.

*Castanotherium decoratum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 26.

*Castanotherium decoratum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 44.

*Castanotherium decoratum*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 196. Type specimens: NMB (DIPL-00118a) (Hollier et al., 2020).

Type locality: Indonesia (Sulawesi: Loka).

Records from Indonesia: Sulawesi (Loka, near Bonthain).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

#### ***Castanotherium distinctum* Carl, 1912**

*Castanotherium distinctum* Carl, 1912: Revue Suisse de Zoologie, 20: 85, 106, plate 6-figs 37–40.

*Castanotherium distinctum*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 150.

*Castanotherium distinctum*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 90.

*Castanotherium distinctum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 27.

*Castanotherium distinctum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 44.

*Castanotherium distinctum*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 196. Type specimens: NMB (DIPL-00112a) (Hollier et al., 2020).

Type locality: Indonesia (Sulawesi: Ussu).

Records from Indonesia: Sulawesi (Ussu).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

#### ***Castanotherium extraneum* (Attems, 1943)**

*Pulusphaera extranea* Attems, 1943: Annalen des Naturhistorischen Museums in Wien, 53: 70, plate 9-figs 19–21.

*Castanotherium extraneum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 27.

*Castanotherium extraneum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 45. Type specimens: NHMW (118/70) (Wesener, 2016a).

Type locality: Indonesia (Java: Samarang).

Records from Indonesia: Java (Samarang).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

#### ***Castanotherium falcicornis* (Tömösváry, 1885)**

*Sphaeropoeus falcicornis* Tömösváry, 1885: Természertajzi Füzetek, 9: 68, plate 4-figs 14–15.

*Sphaeropoeus falcicornis*:-- Silvestri 1896: Annali del Museo civico di storia naturale di Genova, serie 2, 16: 21.

*Sphaeropoeus falcicornis*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 144.

*Sphaeropoeus falcicornis*:-- Korsós 1983: Annales historico-naturales Musei Nationalis Hungarici, 75: 118.

*Castanotherium falcicornis*:-- Jeekel, 2001: Myriapod Memoranda, 3: 27.

*Castanotherium falcicornis*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 45. Type specimens: HNHM (305.62/17) (Korsós, 1983).

Type locality: Indonesia (Kalimantan: Matang).

Records from Indonesia: Kalimantan (Matang).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium ferum* (Attems, 1935)**

*Pulusphaera fera* Attems, 1935: Archiv für Hydrobiologie, Supplement, 14: 136, figs 28-31.

*Pulusphaera fera*:-- Attems, 1943: Annalen des Naturhistorischen Museums in Wien, 53: 71.

*Castanotherium ferum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 27.

*Castanotherium ferum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 45. Type specimens: NHMW (2230) (Wesener, 2016a).

Type locality: Indonesia (Kalimantan: Pulu Miang).

Records from Indonesia: Kalimantan (Pulu Miang).

Distribution: Also known from Malaysia (Sabah: Sandakan).

***Castanotherium glabratum* (Newport, 1844)**

*Zephronia glabrata* Newport, 1844: The Annals and magazine of natural history, 13: 263-270.

*Zephronia glabrata*:-- Gervais, 1847: Annales des Sciences Naturelles, (2)7: 84.

*Zephronia glabrata*:-- Preudhomme de Borre, 1884: Annales de la Société Entomologique de Belgique, 28: 24.

*Zephronia glabrata* :- Attems, 1914: Archiv für Naturgeschichte, 80A: 145.

*Castanotherium glabrata*:-- Jeekel, 2001: Myriapod Memoranda, 3: 27.

*Castanotherium glabratum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 45.

*Sphaeropoeus bicollis* Karsch, 1881: 33, synonymized with *C. glabrata* by Pocock (1894: 331)

*Sphaeropoeus bicollis*:-- Preudhomme de Borre, 1884: Annales de la Société Entomologique de Belgique, 28: 23.

*Sphaeropoeus bicollis*:-- Pocock, 1894: Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien, 3: 331.

*Sphaeropoeus bicollis*:-- Silvestri, 1896a: Annali del Museo civico di storia naturale di Genova, 36: 21.

*Sphaeropoeus bicollis*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 142.

*Sphaeropoeus bicollis*:-- Moritz & Fischer, 1974: Mitteilungen aus dem Museum für Naturkunde in Berlin 49: 368.

Type specimens: ZMB (714) (Wesener, 2016a).

Type locality: Indonesia (Kalimantan: Sampit).

Records from Indonesia: Kalimantan (Sampit)

Distribution: Also known from the Philippines.

Remarks: Jeekel (2001) suggested that type specimens of two nominal species, *Zephronia glabrata* and *Sphaeropoeus bicollis*, need to be re-examined to confirm the synonymization made by Pocock (1894).

***Castanotherium granulatum* (Tömösváry, 1885)**

*Sphaeropoeus granulatus* Tömösváry, 1885: Természertajzi Füzetek, 9: 68, plate 4-figs 16-17.

*Sphaeropoeus granulatus*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 144.

*Castanotherium granulatum*:-- Attems, 1936: Memoirs of the Indian Museum, 11(4): 193

*Castanotherium granulatum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 27.

*Castanotherium granulatum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 45. Type specimens: HNHM (305.60/6) (Korsós, 1983).

Type locality: Indonesia (Kalimantan: Matang).

Records from Indonesia: Kalimantan (Matang).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium humile* (Silvestri, 1895)**

*Zephronia humilis* Silvestri, 1895: Annali del Museo civico di storia naturale di Genova. Vol. 34, ser. 2: 723, figs 3A–B.

*Zephronia humilis*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 145.

*Castanotherium humile*:-- Jeekel, 2001: Myriapod Memoranda, 3: 28.

*Castanotherium humile*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 46. Type specimens: IEPN (Silvestri, 1895; Wesener, 2016).

Type locality: Indonesia (Engano: Bua-Bua).

Records from Indonesia: Engano (Bua-Bua).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium ignobile* (Butler, 1872)**

*Zephronia ignobilis* Butler, 1872: Annals and Magazine of Natural History, ser. 4, 10(59): 357.

*Zephronia ignobilis*:-- Butler, 1873: Proceedings of the Zoological Society of London, 1872: 180, plate 19-fig. 6.

*Zephronia ignobilis*:-- Preudhomme de Borre, 1884: Annales de la Société Entomologique de Belgique, 28: 24.

*Zephronia ignobilis*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 146.

*Castanotherium ignobile*:-- Jeekel, 2001: Myriapod Memoranda, 3: 28.

*Castanotherium ignobile*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 46. Type specimens: NHML (Wesener, 2016a).

Type locality: Indonesia (Java).

Records from Indonesia: Java.

Distribution: Only known from Indonesia

Remarks: No other records available since its original description.

***Castanotherium insigne* (Brandt, 1833)**

*Sphaeropoeus insignis* Brandt, 1833: Bulletin de la Société Impériale des Naturalists de Moscou, 6: 200.

*Zephronia insignis*:-- Gervais, 1837: Annales des Sciences naturelles, série 2: 43.

*Sphaeropoeus insignis*:-- Lucas, 1840: P. Duménil: 522.

*Sphaeropoeus insignis*:-- Brandt, 1841a: Bulletin Scientifique publié par l'Académie Impériale des Sciences de St.-Pétersbourg: 181.

*Sphaeropoeus insignis*:-- Brandt, 1841b: Bulletin Scientifique publié par L'Académie Impériale des Sciences de Saint-Petersbourg, 8: 364.

*Sphaeropoeus insignis*:-- Karsch, 1881: Archiv für Naturgeschichte, 47(1): 34, plate 2-fig. 11.

*Sphaeropoeus insigni*:-- Preudhomme de Borre, 1884: Annales de la Société Entomologique de Belgique, 28: 24.

*Sphaeropoeus insignis*:-- Golovatch & Hoffman, 2000: Fragmenta faunistica, Supplement, 43: 238.

*Castanotherium insigne*:-- Jeekel, 2001: Myriapod Memoranda, 3: 28.

*Castanotherium insigne*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 46.

*Zephronia javanica* Gervais, 1837: Annales des Sciences naturelles, série 2: 43. Synonymized by Brandt (1841a).

*Zephronia javanicum*:-- Lucas, 1840: P. Duménil: 522.

*Sphaerotherium javanicum*:-- Gervais, 1847: Histoire naturelle Insectes Aptères 4: 82.

*Sphaerotherium javanicum*:-- Koch, 1847: In: Panzer & Herrich-Schäffer: Kritische Revision der Insectenfauna Deutschlands, III: 99.

*Sphaerotherium javanicum*:-- Butler, 1873: Proceedings of the Zoological Society of London, 1872: 175.

*Sphaerotherium javanicum*:-- Preudhomme de Borre, 1884: Annales de la Société Entomologique de Belgique, 28: 27

*Sphaerotherium javanicum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 28.

Type specimens: ZISP (Wesener, 2016a).

Type locality: Indonesia (Java).

Records from Indonesia: Java.

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description. Although *Zephronia javanica* was synonymized under *Sphaeropoeus insignis* by Brandt (1841a), Jeekel (2001) and Wesener (2016a) still stated that type species of both species is, perhaps, still in existence in which case it may be possible to finally clarify the confusion in the classical literature.

***Castanotherium laeve* Carl, 1912**

*Castanotherium laeve* Carl, 1912: Revue Suisse de Zoologie, 20: 85, 110.

*Castanotherium laeve*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 150.

*Castanotherium laeve*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 90.

*Castanotherium laeve*:-- Jeekel, 2001: Myriapod Memoranda, 3: 28.

*Castanotherium laeve*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 47.

*Castanotherium laeve*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 210.

Type specimens: NMB (DIPL-00114a) (Hollier et al., 2020).

Type locality: Indonesia (Sulawesi: Matinang).

Records from Indonesia: Sulawesi (Matinang).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium lamprongse* (Chamberlin, 1945)**

*Sphaeropoeus lamprongsis* Chamberlin, 1945: American Museum Novitates, 1282: 1, figs 1–3.

*Sphaeropoeus lamprongsis*:-- Wang 1967: Quarterly journal of the Taiwan Museum, 20: 384.

*Castanotherium lamprongsis*:-- Jeekel, 2001: Myriapod Memoranda, 3: 28.

*Castanotherium lamprongsis*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 47. Type specimens: AMNH (Chamberlin, 1945).

Type locality: Indonesia (Sumatra: Lamprongs).

Records from Indonesia: Sumatra (Lamprongs, Wai Lima).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium moderatum* (Chamberlin, 1945)**

*Zephronia moderata* Chamberlin, 1945: American Museum Novitates, 1282: 1, figs 4–5.

*Sphaeropoeus moderata*:-- Wang 1967: Quarterly journal of the Taiwan Museum, 20: 384.

*Castanotherium moderatum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 29.

*Castanotherium moderatum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 47. Type specimens: AMNH (Chamberlin, 1945).

Type locality: Indonesia (Java: Tjibodas).

Records from Indonesia: Java (Tjibodas).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium nigriceps* (Pocock, 1894)**

*Zephronia nigriceps* Pocock, 1894: Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien 3: 329.

*Zephronia nigriceps*:-- Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, serie 2, 14: 19, 723.

*Zephronia nigriceps*:-- Attems, 1907: Mitteilungen aus dem Naturhistorischen Museum in Hamburg, 24: 105.

*Zephronia nigriceps*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 146.

*Zephronia nigriceps*:-- Jeekel, 1965: Annali del Museo Civico di Storia Naturale "Giacomo Doria", Genova, 75: 124.

*Castanotherium nigriceps*:-- Jeekel, 2001: Myriapod Memoranda, 3: 29.

*Castanotherium nigriceps*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 47. Type specimens: NHML (Wesener, 2016a)

Type locality: Indonesia (Java: Tjibodas).

Records from Indonesia: Java (Bogor, Tjobodas).

Distribution: Also known from Mentawai (Si-Oban).

***Castanotherium nigromaculatum* Silvestri, 1897**

*Castanotherium nigromaculatum* Silvestri, 1897a: Abhandlungen und Berichte des Königl. Zoologischen und Anthropologisch-Ethnographischen Museums zu Dresden, 6(9): 15, plate 2-figs 75–77.

*Castanotherium nigromaculatum*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 150.

*Castanotherium nigromaculatum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 29.

*Castanotherium nigromaculatum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 47. Type specimens: MTD (281) (Wesener, 2016a).

Type locality: Indonesia (Kalimanta: Amuntai).

Records from Indonesia: South Kalimantan (Amuntai).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium ornatum* Carl, 1912**

*Castanotherium ornatum* Carl, 1912: Revue Suisse de Zoologie, 20: 86, 116, fig. 6, plate 6-figs 32–33, 41.

*Castanotherium ornatum*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 150.

*Castanotherium ornatum*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 90.

*Castanotherium ornatum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 29.

*Castanotherium ornatum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 46.

*Castanotherium ornatum*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 221.

Type specimens: MHNG (ARTO-14303), NMB (DIPL-00117a) (Hollier et al., 2020).

Type locality: Indonesia (Sulawesi: Bontorio).

Records from Indonesia: Sulawesi (Bontorio).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium pellitum* Attems, 1932**

*Castanotherium pellitum* Attems, 1932b: Mémoires du Musée Royal d'histoire naturelle de Belgique, hors série, 3(12): 5, figs 1–2, plate 1-figs 1–5.

*Sphaeropoeus moderata*:-- Wang 1967: Quarterly journal of the Taiwan Museum, 20: 384.

*Castanotherium pellitum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 29.

*Castanotherium pellitum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 47. Type specimens: NHMW (2226) (Wesener, 2016a).

Type locality: Indonesia (Kalimantan: Tandjoeng).



Records from Indonesia: Kalimantan (Tandjoeng, Karong).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium pilosum* Carl, 1912**

*Castanotherium pilosum* Carl, 1912: Revue Suisse de Zoologie, 20: 86, 114, fig. 5

*Castanotherium pilosum*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 150.

*Castanotherium pilosum*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 90.

*Castanotherium pilosum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 29.

*Castanotherium pilosum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 48.

*Castanotherium pilosum*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 223. Type specimens: NMB (DIPL-00116a, DIPL-00116b) (Hollier et al., 2020).

Type locality: Indonesia (Sulawesi: Bontorio).

Records from Indonesia: Sulawesi (Bontorio; Bowonglangi).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium plasoni* (Attems, 1943)**

*Pulusphaera plasoni* Attems, 1943: Annalen des Naturhistorischen Museums in Wien, 53: 70, figs 22-25, plates 10-11.

*Castanotherium plasoni*:-- Jeekel, 2001: Myriapod Memoranda, 3: 29.

*Castanotherium plasoni*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 48. Type specimens: NHMW (Wesener, 2016a).

Type locality: Indonesia (Java: Samarang).

Records from Indonesia: Java (Samarang)

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium rufipes* (Pocock, 1894)**

*Zephronia rufipes* Pocock, 1894a: Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien 3: 331.

*Zephronia rufipes*:-- Attems, 1898: In: Semon R: Zoologische Forschungsreisen in Australien und dem malayischen Archipel, ausgeführt in den Jahren 1891, 93, 5: 509.

*Zephronia ruficeps* [sic!]:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 146.

*Castanotherium rufipes*:-- Jeekel, 2001: Myriapod Memoranda, 3: 29.

*Castanotherium rufipes*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 48. Type specimens: NHML (Wesener, 2016a).

Type locality: Indonesia (Java: Tjibodas).

Records from Indonesia: Java (Tjibodas).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium simplex* (Carl, 1910)**

*Sphaeropoeus simplex* Carl, 1910: Revue Suisse de Zoologie, 17: 250, plate 5-fig. 17.

*Castanotherium simplex*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 150.

*Castanotherium simplex*:-- Jeekel, 2001: Myriapod Memoranda, 3: 29.

*Castanotherium simplex*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 48.

*Castanotherium simplex*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 223. Type specimens: MHNG (ARTO-18446) (Hollier et al., 2020).

Type locality: Indonesia (Java: Prigen).

Records from Indonesia: Java (Prigen).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium sparsepunctatum* Carl, 1912**

*Castanotherium sparsepunctatum* Carl, 1912: *Revue Suisse de Zoologie*, 20: 86, 120, fig. 9.

*Castanotherium sparsepunctatum*:-- Attems, 1914: *Archiv für Naturgeschichte*, 80A: 150.

*Castanotherium sparsepunctatum*:-- Jeekel, 2001: *Myriapod Memoranda*, 3: 30.

*Castanotherium sparsepunctatum*:-- Wesener, 2016a: *Bonn Zoological Bulletin, Supplementum*, 63: 48.

*Castanotherium sparsepunctatum*:-- Hollier et al., 2020: *Revue Suisse de Zoologie*, 127(1): 230. Type specimens: NMB (DIPL00119a) (Hollier et al., 2020).

Type locality: Indonesia (Sulawesi: Bowonglangi).

Records from Indonesia: Sulawesi (Bowonglangi, 1,200-1,500 m).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium stellatum* Carl, 1912**

*Castanotherium stellatum* Carl, 1912: *Revue Suisse de Zoologie*, 20: 86, 122, fig. 10.

*Castanotherium stellatum*:-- Attems, 1914: *Archiv für Naturgeschichte*, 80A: 150.

*Castanotherium stellatum*:-- Chamberlin, 1920: *Bulletin of the Museum of Comparative Zoology*, 64: 91.

*Castanotherium stellatum*:-- Jeekel, 2001: *Myriapod Memoranda*, 3: 30.

*Castanotherium stellatum*:-- Wesener, 2016a: *Bonn Zoological Bulletin, Supplementum*, 63: 48.

*Castanotherium stellatum*:-- Hollier et al., 2020: *Revue Suisse de Zoologie*, 127(1): 231. Type specimens: MHNG (ARTO-14304), NMB (DIPL-00120a) (Hollier et al., 2020).

Type locality: Indonesia (Sulawesi: Loka).

Records from Indonesia: Sulawesi (Loka, 1,300 m).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium sulcicollis* (Karsch, 1881)**

*Sphaeropoeus sulcicollis* Karsch, 1881: *Archiv für Naturgeschichte*, 47(1): 32, plate 2-fig. 7.

*Zephronia sulcicollis*:-- Preudhomme de Borre 1884: *Annales de la Société Entomologique de Belgique*, 28: 25.

*Sphaeropoeus sulcicollis*:-- Tömösváry 1885: *Enumeravit speciesque novas descripsit. Természertajzi Füzetek*, 9: 68 (new locality).0

*Sphaeropoeus sulcicollis*:-- Silvestri 1896: *Annali del Museo civico di storia naturale di Genova, serie 2*, 16: 21.

*Sphaeropoeus sulcicollis*:-- Attems, 1914: *Archiv für Naturgeschichte*, 80A: 143.

*Sphaeropoeus sulcicollis*:-- Wang 1951: *The myriopoda of the Philippine Islands*: 13.

*Sphaeropoeus sulcicollis*:-- Wang 1961: *Quarterly Journal of the Taiwan Museum*, 14: 101.

*Sphaeropoeus sulcicollis*:-- Moritz & Fischer, 1974: *Mitteilungen aus dem Zoologischen Museum in Berlin*, 49: 370.

*Castanotherium sulcicollis*:-- Jeekel, 2001: *Myriapod Memoranda*, 3: 30.

*Castanotherium sulcicollis*:-- Wesener, 2016a: *Bonn Zoological Bulletin, Supplementum*, 63: 48.

Type specimens: ZMB 195, ZMB 495, ZMB 912, ZMB 913, ZMB 587, ZMB 588, ZMB 589, ZMB 591, ZMB 597 (Moritz & Fischer, 1974).

Type locality: Indonesia (Java).

Records from Indonesia: Java (Palabuan; Djakarta) (Tömösváry, 1885); Kalimantan (Singkawang; Benkajang; Montrado) (Karsch, 1881).

Distribution: Also known from Philippines (Luzon) (Karsch, 1881; Wesener, 2016a).

Remarks: Moritz & Fischer (1974: 370) noted that at least three different species can be in type series.

***Castanotherium suspectum* Carl, 1912**

*Castanotherium suspectum* Carl, 1912: Revue Suisse de Zoologie, 20: 109.

*Castanotherium suspectum*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 150.

*Castanotherium suspectum*:-- Chamberlin, 1920: Bulletin of the Museum of Comparative Zoology, 64: 90.

*Castanotherium suspectum*:-- Jeekel, 2001: Myriapod Memoranda, 3: 30.

*Castanotherium suspectum*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 49.

*Castanotherium suspectum*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 231. Type specimens: NMB (DIPL-00113a) (Hollier et al., 2020).

Type locality: Indonesia (Sulawesi: Mpane).

Records from Indonesia: Sulawesi (Mpane, Gulf of Tomini).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium tivium* (Chamberlin, 1945)**

*Zephronia tivium* Chamberlin, 1945: American Museum Novitates, 1282: 2, figs 6–7.

*Castanotherium tivium*:-- Jeekel, 2001: Myriapod Memoranda, 3: 30.

*Castanotherium tivium*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 49. Type specimens: AMNH (Chamberlin, 1945).

Type locality: Indonesia (Sumatra: Lamprongs).

Records from Indonesia: Sumatra (Lamprongs, Wai Lima).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Castanotherium tricollis* (Karsch, 1881)**

*Sphaeropoeus tricollis* Karsch, 1881: Archiv für Naturgeschichte, 47(1): 32, plate 2-fig. 9.

*Sphaeropoeus tricollis*:-- Preudhomme de Borre, 1884: Annales de la Société Entomologique de Belgique, 28: 25.

*Sphaeropoeus tricollis*:-- Tömösváry, 1885: Természetrázi Füzetek, 9: 68.

*Sphaeropoeus tricollis*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 144.

*Sphaeropoeus tricollis*:-- Mortiz & Fischer, 1974: Mitteilungen aus dem Zoologischen Museum in Berlin, 49: 370.

*Castanotherium tricollis*:-- Jeekel, 2001: Myriapod Memoranda, 3: 30.

*Castanotherium tricollis*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 49. *Sphaeropoes* [sic!] *tricollis*:-- Wang 1967: Quarterly journal of the Taiwan Museum, 20: 384.

Type specimens: ZMB 574, ZMB 914, ZMB 2191 (Mortiz & Fischer, 1974).

Type locality: Indonesia (Sumatra: Lahat).

Records from Indonesia: Sumatra (Lahat) (Karsch, 1881); Java (Tibingtingi) (Tömösváry, 1885).

Distribution: Only known from Indonesia.

***Castanotherium volzi* (Carl, 1906)**

*Sphaeropoeus volzi* Carl, 1906: Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere, 24(3): 233, plate 17, figs 7–11.

*Castanotherium volzi*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 151.

*Castanotherium volzi*:-- Jeekel, 2001: Myriapod Memoranda, 3: 30.

*Castanotherium volzi*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 49.

*Castanotherium volzi*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 236.

Type specimens: MHNG (ARTO-18450) (Hollier et al., 2020).

Type locality: Indonesia (Sumatra: Palembang).

Records from Indonesia: Sumatra (Palembang; Indragiri, Lahat).

Distribution: Only known from Indonesia.

**Genus *Leptoprotopus* Silvestri, 1897**

Type species: *Sphaeropoeus gladiator* Pocock, 1894.

***Leptoprotopus gladiator* (Pocock, 1894)**

*Sphaeropoeus gladiator* Pocock, 1894a: Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien 3: 327, plate 19, figs 11–11c.

*Sphaeropoeus gladiator*:-- Pocock, 1895: Annals and Magazine of Natural History, ser. 6, 16: 412.

*Sphaeropoeus gladiator*:-- Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, ser. 2, 34: 723.

*Leptoprotopus gladiator*:-- Silvestri, 1897b: Annali del Museo civico di storia naturale di Genova, ser. 2, 18: 645.

*Sphaeropoeus gladiator*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 144.

*Leptoprotopus gladiator*:-- Jeekel, 2001: Myriapod Memoranda, 3: 22.

*Leptoprotopus gladiator*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 38. Type specimens: NHML (Wesener, 2016a).

Type locality: Indonesia (Sumatra: Paningahan).

Records from Indonesia: Sumatra (Paningahan).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

**Genus *Sphaeropoeus* Brandt, 1833**

Type species: *Sphaeropoeus hercules* Brandt, 1833, by subsequent designation.

Synonyms: *Lissosphaera* Attems, 1943; *Tonkinobelum* Verhoeff, 1924; *Pantitherium* Attems, 1932.

Remarks: See Wesener (2016a: 38-39; 2016b: 146) for more citations, and updated diagnosis for this genus.

***Sphaeropoeus extinctus* Silvestri, 1895**

*Sphaeropoeus extinctus* Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, ser. 2, 14: 722.

*Sphaeropoeus extinctus*:-- Sinclair, 1901: Proceedings of the Zoological Society of London, 1901: 527.

*Sphaeropoeus extinctus*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 143.

*Sphaeropoeus extinctus*:-- Jeekel, 2001: Myriapod Memoranda, 3: 22.

*Sphaeropoeus extinctus*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 39. Type specimens: IEPN? (Wesener, 2016a).

Type locality: Indonesia (Nias: Hili Zabobo).

Records from Indonesia: Nias (Hili Zabobo).

Distribution: Also known from Malaysia (Tapelung).

***Sphaeropoeus gisleni* (Verhoeff, 1939)**

*Tonkinobelum gisleni* Verhoeff, 1939: Kungliga Fysiografiska Sällskapet i Lund förhandlingar, 9(17): 2, figs 1–3.

*Tonkinobelum gisleni*:-- Wang, 1967: Quarterly journal of the Taiwan Museum 20: 484.

*Sphaeropoeus gisleni*:-- Jeekel, 2001: Myriapod Memoranda, 3: 21.

*Sphaeropoeus gisleni*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 39. Type specimens: MZLU (Wesener, 2016a).

Type locality: Indonesia (Sumatra).

Records from Indonesia: Sumatra.

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus glabrus* (Attems, 1943)**

*Arthrosphaera glabra* Attems, 1943: Annalen des Naturhistorischen Museums in Wien, 53: 72, figs 26–27, plate 11.

*Arthrosphaera glabra*:-- Wang, 1967: Quarterly journal of the Taiwan Museum 20: 484.

*Sphaeropoeus glabrus*:-- Jeekel, 2001: Myriapod Memoranda, 3: 21.

*Sphaeropoeus glabrus*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 39. Type specimens: NHMW 2215 (Wesener, 2016a).

Type locality: Indonesia (Sumatra: Padang).

Records from Indonesia: Sumatra (Padang).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus hercules* Brandt, 1833**

*Sphaeropoeus hercules* Brandt, 1833: Bulletin de la Société Impériale des Naturalists de Moscou, 6: 200.

*Zephronia hercules*:-- Gervais, 1837: Annales des Sciences naturelles, Zoologie, série 2, 7: 43.

*Zephronia hercules*:-- Lucas, 1840: *P. Duménil*: 522.

*Sphaeropoeus hercules*:-- Brandt, 1841b: Bulletin Scientifique publié par L'Académie Impériale des Sciences de Saint-Petersbourg, 8: 364.

*Sphaeropoeus hercules*:-- Koch, 1863: Getreu nach der Natur abgebildet und beschrieben. Bd. 1: 3, plate 2-fig. 4.

*Sphaeropoeus hercules*:-- Butler, 1873: Proceedings of the Zoological Society of London, 1872: 180.

*Sphaeropoeus hercules*:-- Karsch, 1881: Archiv für Naturgeschichte, 47(1): 23.

*Zephronia Hercules*:-- Preudhomme de Borre, 1884: Annales de la Société Entomologique de Belgique, 28: 24.

*Sphaeropoeus hercules*:-- Daday, 1889: Természetráji Füzetek, 12: 141.

*Sphaeropoeus hercules*:-- Pocock, 1894a: Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien 3: 326, plate 20-figs 1–1c.

*Sphaeropoeus hercules*:-- Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, ser. 2, 34: 722.

*Sphaeropoeus hercules*:-- Pocock, 1895: Annals and Magazine of Natural History {6}, 16: 412.

*Sphaeropoeus hercules*:-- Sinclair, 1901: Proceedings of the Zoological Society of London, 1901: 527.

*Sphaeropoeus hercules*:-- Carl, 1906: Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere, 24(3): 230, plate 17-figs 5–6.

*Sphaeropoeus hercules*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 143.

*Sphaeropoeus hercules*:-- Jeekel, 1971: Monografieën van de Nederlandse Entomologische Vereniging, 5: 28.

*Sphaeropoeus hercules*:-- Mortiz & Fischer, 1974: Mitteilungen aus dem Zoologischen Museum in Berlin, 49: 369.

*Sphaeropoeus hercules*:-- Golovatch, & Hoffman, 2000: Fragmenta Faunistica, Supplement, 43: 238.

*Sphaeropoeus hercules*:-- Jeekel, 2001: Myriapod Memoranda, 3: 23.

*Sphaeropoeus hercules*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 39.

*Sphaeropoeus hercules*:-- Wesener, 2016b: Zootaxa, 4184(1): 150, figs 2A-E.

*Sphaeropoeus banksianus* Butler, 1873: Proceedings of the Zoological Society of London, 1872: 181, plate 19-fig. 9(1). Synonymized by Pocock (1894: 326).

*Zephronia barbata* Butler, 1882: Annals and Magazine of Natural History, ser. 5, 9: 197, fig. 2(1). Synonymized by Pocock (1894: 326).

*Zephronia barbata*:-- Preudhomme de Borre, 1884: Annales de la Société Entomologique de Belgique, 28: 23.

Type specimens: ZMB 54 (Mortiz & Fischer, 1974).

Type locality: Indonesia (Sumatra).

Records from Indonesia: Sumatra (Daday, 1889); Padang, Maninjau, Singkarah, Paningahan, Ajer Mantjur (Pocock, 1894a); Palembang; Tibing Tingie (Karsch, 1881); M. Singalang, Ajer Mantdor, Kaju Tanam; Si Rambe (Silvestri, 1895).

Distribution: Also known from Sri Lanka and Malaysia (Karsch, 1881; Sinclair, 1901; Jeekel, 2001).

Remarks. Pocock (1894) synonymized *Sphaeropoeus banksianus* and *Zephronia barbata* under *Sphaeropoeus hercules*. He stated that three species are slightly differentiated in only colour.

***Sphaeropoeus lugubris* (Attems, 1932)**

*Pantitherium lugubre* Attems, 1932a: In: Van Straelen (ed.), Résultats scientifiques du Voyage aux Indes Orientales Néerlandaises de LL. AA. RR. le Prince et la Princesse Leopold de Belgique. Mémoires du Musée royal d'Histoire naturelle de Belgique (H.S) 3 (12): 8, fig. 3, plate 1-figs 6–13, plate 2-figs 14–16.

*Pantitherium lugubre*:-- Jeekel, 1971: Monografieën van de Nederlandse Entomologische Vereniging, 5: 27.

*Sphaeropoeus lugubris*:-- Jeekel, 2001: Myriapod Memoranda, 3: 23.

*Sphaeropoeus lugubris*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 40. *Panitherium [sic!] lugurbe [sic!]*:-- Wang 1967: Quarterly journal of the Taiwan Museum, 20: 384.

Type specimens: NHMW (3955) (Wesener, 2016a).

Type locality: Indonesia (Sumatra: Panti).

Records from Indonesia: Sumatra (Panti).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus modiglianii* Silvestri, 1895**

*Sphaeropoeus modiglianii* Silvestri, 1895: Annali del Museo civico di storia naturale di Genova, serie 2, 14: 18, 722, figs 1A–1B.

*Sphaeropoeus modiglianii*:-- Sinclair, 1901: Proceedings of the Zoological Society of London, 1901: 527.

*Sphaeropoeus modiglianii*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 143.

*Sphaeropoeus modiglianii*:-- Jeekel, 2001: Myriapod Memoranda, 3: 23.

*Sphaeropoeus modiglianii*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 40.

Type specimens: IEPN? (Wesener, 2016a).

Type locality: Indonesia (Sumatra: Si Rambe).

Records from Indonesia: Sumatra (Si Rambe).

Distribution: Also known from Malay Peninsula (Jeekel, 2001).

***Sphaeropoeus pellitus* (Attems, 1943)**

*Kophosphaera pellita* Attems, 1943: Annalen des Naturhistorischen Museums in Wien, 53: 66, figs 10-12, plates 8-9.

*Kophosphaera pellita*:-- Wang, 1967: Quarterly Journal of the Taiwan Museum 20: 485.

*Sphaeropoeus pellitus*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus pellitus*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 40.

Type specimens: NHMW (2194) (Wesener, 2016a).

Type locality: Indonesia (Sumatra).

Records from Indonesia: Sumatra.

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus politus* (Attems, 1935)**

*Pantitherium politum* Attems, 1935: Archiv für Hydrobiologie, 14: 121, figs 10–17.

*Sphaeropoeus politus*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus politus*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 40. *Panitherium* [sic!] *politum*:-- Wang 1967: Quarterly journal of the Taiwan Museum, 20: 384.

Type specimens: NHMW (2217, 2218) (Wesener, 2016a).

Type locality: Indonesia (Sumatra: Singkarak).

Records from Indonesia: Sumatra (Singkarak; Kepajang-Benkulen).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus punctulatissimus* Silvestri, 1897**

*Sphaeropoeus punctulatissimus* Silvestri, 1897a: Abhandlungen und Berichte des K. Zoologischen und Anthropologisch-Ethnographischen Museums zu Dresden, 6: 14, plate 2-fig. 74

*Sphaeropoeus punctulatissimus*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 143.

*Sphaeropoeus punctulatissimus*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus punctulatissimus*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 40.

Type specimens: MTD (280) (Wesener, 2016a).

Type locality: Indonesia (Sumatra: Deli).

Records from Indonesia: Sumatra (Deli).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus speciosus* (Attems, 1943)**

*Lissosphaera speciosa* Attems, 1943: Annalen des Naturhistorischen Museums in Wien, 53: 63, plate 7-figs 1–4.

*Lissosphaera speciosa*:-- Jeekel, 1971: Monografieën van de Nederlandse Entomologische Vereniging, 5: 26.

*Sphaeropoeus speciosus*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus speciosus*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 41. *Lissosphaera speciosa*:-- Wang 1967: Quarterly journal of the Taiwan Museum, 20: 385.

Type specimens: NHMW (2219) (Wesener, 2016a).

Type locality: Indonesia (Sumatra).

Records from Indonesia: Sumatra.

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus stollii* Pocock, 1895**

*Sphaeropoeus stollii* Pocock, 1895: Annals and Magazine of Natural History, ser. 6, 16: 412.

*Sphaeropoeus stollii*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 143.

*Sphaeropoeus stollii*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus stollii*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 41. Type specimens: NHML (Wesener, 2016a).

Records from Indonesia: Java (Djakarta).

Distribution: Only known from Indonesia.

***Sphaeropoeus sumatrense* (Chamberlin, 1945)**

*Tonkinobelum sumatrense* Chamberlin, 1945: American Museum Novitates, 1282: 2, figs 8–9.

*Sphaeropoeus sumatrensis*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus sumatrensis*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 41. *Tonkinobelum sumatrensis* [sic!]:--Wang 1967: Quarterly journal of the Taiwan Museum, 20: 385.

Type specimens: AMNH (Chamberlin, 1945).

Type locality: Indonesia (Sumatra: Manindjau).

Records from Indonesia: Sumatra (Manindjau).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus tatusiaeformis* Daday, 1889**

*Sphaeropoeus tatusiaeformis* Daday, 1889: Természetrájsi Füzetek, 12: 141.

*Sphaeropoeus tatusiaeformis*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 144.

*Sphaeropoeus tatusiaeformis*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus tatusiaeformis*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 41.

*Sphaeropoeus tatusiaeformis*:-- Wang 1967: Quarterly journal of the Taiwan Museum, 20: 384.

Type specimens: HNMB (648.14.d/5) (Korsós, 1983; Wesener, 2016a).

Type locality: Indonesia (Sumatra).

Records from Indonesia: Sumatra.

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus tigratus* Silvestri, 1897**

*Sphaeropoeus tigratus* Silvestri, 1897a: Abhandlungen und Berichte des K. Zoologischen und Anthropologisch-Ethnographischen Museums zu Dresden, 6: 14, plate 2-figs 1–3.

*Sphaeropoeus tigratus*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 143.

*Sphaeropoeus tigratus*:-- Carl, 1922: Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere, 44: 565.

*Sphaeropoeus tigratus*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus tigratus*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 41.

Type specimens: MTD 278 (Wesener, 2016a).

Type locality: Indonesia (Sumatra: Deli).

Records from Indonesia: Sumatra (Deli (Silvestri, 1897); Bandar Baroe (Carl, 1922)).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

***Sphaeropoeus tuberculatus* Karsch, 1881**

*Sphaeropoeus tuberculatus* Karsch, 1881: Archiv für Naturgeschichte, 47(1): 33, plate 2-fig. 12.

*Zephronia tuberculosa*:-- Preudhomme de Borre 1884: Annales de la Société Entomologique de Belgique, 28: 25.

*Sphaeropoeus tuberculatus*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 144.

*Sphaeropoeus tuberculatus*:-- Moritz & Fischer, 1974: Mitteilungen aus dem Museum für Naturkunde in Berlin, 49: 370.

*Sphaeropoeus tuberculatus*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus tuberculatus*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 41.

Type specimens: ZMB (590) (Wesener, 2016a).

Type locality: Indonesia (Kalimantan: Benkajang).

Records from Indonesia: Kalimantan (Benkajang).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.



***Sphaeropoeus unciger* (Attems, 1943)**

*Kophosphaera uncigera* Attems, 1943: Annalen des Naturhistorischen Museums in Wien, 53: 66, plate 8-fig. 9.

*Sphaeropoeus unciger*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus unciger*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 41.

Type specimens: NHMW (2195) (Wesener, 2016a).

Type locality: Indonesia (Sumatra).

Records from Indonesia: Sumatra.

Distribution: Only known from Indonesia

Remarks: No other records available since its original description.

***Sphaeropoeus velutinus* Carl, 1906**

*Sphaeropoeus velutinus* Carl, 1906: Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere, 24(3): 232, plate 17-figs 19–22.

*Sphaeropoeus velutinus* var. *xanthopleurus*:-- Carl, 1909: Revue Suisse de Zoologie, 17: 249

*Sphaeropoeus velutinus* var. *xanthopleurus*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 144.

*Sphaeropoeus velutinus* var. *xanthopleurus*:-- Jeekel, 2001: Myriapod Memoranda, 3: 24.

*Sphaeropoeus velutinus*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 41.

*Castanotherium velutinus*:-- Hollier et al., 2020: Revue Suisse de Zoologie, 127(1): 235.

Type specimens: MHNG (ARTO-18448) (Hollier et al., 2020).

Type locality: Indonesia (Sumatra: Deli).

Records from Indonesia: Sumatra (Deli; Karoo plain at the foot of Mt. Sinabung).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

**Genus *Zephronia* Gray, 1832**

Type species: *Zephronia ovalis* Gray, 1832, by monotypy.

Remarks: See Wesener (2016: 30) and Golovatch et al. (2012: 283) for more citations and updated diagnosis.

***Zephronia ovalis* Gray, 1832**

*Zephronia ovalis* Gray, 1832: The Class Insecta arranged by the Baron Cuvier, 2: 796.

*Zephronia ovalis*:-- Gervais, 1837: Annales des Sciences Naturelles, (2)7: 42.

*Zephronia ovalis*:-- Newport, 1844: The Annals and magazine of natural history, 13: 264.

*Sphaerotherium ovale*:-- CL Koch, 1847: System der Myriapoden: 99.

*Zephronia ovalis*:-- Butler, 1873: Proceedings of the zoological Society of London 1873: 180.

*Zephronia ovalis*:-- Olliff, 1882: Cistula entomologica 3: 30.

*Zephronia ovalis*:-- Preudhomme de Borre, 1884: Annales de la Société Entomologique de Belgique, 28: 25.

*Zephronia ovalis*:-- Attems, 1914: Archiv für Naturgeschichte, 80A: 146.

*Zephronia ovalis*:-- Jeekel, 2001: Myriapod Memoranda, 3: 20.

*Zephronia ovalis*:-- Golovatch et al., 2012: Arthropoda Selecta, 21(4): 286.

*Zephronia ovalis*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 34.

Type specimens: ZMUM, Neotype (Golovatch et al., 2012).

Type locality: unknown.

Records from Indonesia: Java.

Distribution. Also known from southern Vietnam (Golovatch et al., 2012).

Remarks: The species was recently re-described based on samples collected from Cat Tien National Park, southern Vietnam (Golovatch et al., 2012). These specimens were also designated to be neotypes. The

genus *Zephronia* was formally established with clear diagnosis (Golovatch et al., 2012).

***Zephronia pellita* Attems, 1935**

*Zephronia pellita* Attems, 1935: Archiv für Hydrobiologie, Supplement, 14: 141, figs 36–37.

*Zephronia pellita*:-- Rack, 1974: Mitteilungen aus dem Hamburgischen zoologischen Museum und Institut, 70: 111.

*Zephronia pellita*:-- Jeekel, 2001: Myriapod Memoranda, 3: 21.

*Zephronia pellita*:-- Wesener, 2016a: Bonn Zoological Bulletin, Supplementum, 63: 34.

Type specimens: NHMW (Wesener, 2016a).

Type locality: Indonesia (Sumatra: Indragiri).

Records from Indonesia: Sumatra (Indragiri, Sungei Lalah).

Distribution: Only known from Indonesia.

Remarks: No other records available since its original description.

**Acknowledgements:** The work is supported by the Vietnam Academy of Science and Technology under the project NCXS01.04/23-25. This study has also been supported by the following funds: the Fund for the Promotion of Joint International Research (Fostering Joint International Research (B)) (JSPS KAKENHI, n°22KK0087, Leader: K. Eguchi, FY2022–2025), the Tokyo Metropolitan University Fund for TMU Strategic Research (Leader: Prof. Noriaki Murakami, FY2020–FY2022), and the Asahi Glass Foundation (Leader: K. Eguchi, FY2017–FY2022). The Field Museum of Natural History, Chicago supported several visits of the first author to Chicago during the period of 2010–2022.

**REFERENCES**

Attems C., 1897. Myriopoden. In: Kükenthal W.: Ergebnisse einer zoologischen Forschungsreise in den Molukken und Borneo, im Auftrage der Senckenbergischen naturforschenden

Gesellschaft ausgeführt. 2. Teil 2. Frankfurt am Main: 471–536.

Attems C., 1898. Myriopoden. In: Semon R: Zoologische Forschungsreisen in Australien und dem malayischen Archipel, ausgeführt in den Jahren 1891: 93, 5: 505–516.

Attems C., 1907. Javanische Myriopoden, gesammelt von Direktor K. Kraepelin im Jahre 1903. *Mitteilungen aus dem Naturhistorischen Museum*, 24: 77–142.

Attems C., 1914. Die indo-australischen Myriopoden. *Archiv für Naturgeschichte*, 4(4): 1–398.

Attems C., 1926. Myriopoda. *Handbuch der Zoologie*, 4: 1–402.

Attems C., 1930a. Myriopoden von Java, Sumatra und Bali. *Archiv für Hydrobiologie*, Supplement, 8: 115–192.

Attems C., 1930b. Myriopoden der Kleinen Sunda-Inseln, gesammelt von der Expedition Dr. Rensch. *Mitteilungen aus dem Zoologischen Museum in Berlin*, 16(1): 117–184.

Attems C., 1932a. Myriopoden. In: Van Straelen (ed.), Résultats scientifiques du Voyage aux Indes Orientales Néerlandaises de LL. AA. RR. le Prince et la Princesse Leopold de Belgique. *Mémoires du Musée royal d'Histoire naturelle de Belgique*, (H.S) 3(12): 1–324.

Attems C., 1932b. Myriopoden. *Mémoires du Musée Royal d'histoire naturelle de Belgique*, hors série, 3(12): 1–35.

Attems C., 1935. Myriopoden von Sumatra. *Archiv für Hydrobiologie*, Supplement, 14: 114–142.

Attems C., 1936. Diplopoda of India. *Memoirs of the Indian Museum*, 11(4): 133–323.

Brandt J. F., 1833. Tentaminum quorundam monographicorum Insecta Myriapoda Chilognathi Latreillii spectantium prodromus. *Bulletin de la Société Impériale des Naturalistes de Moscou*, 6: 194–209.

- Brandt J. F., 1841a. Recueil de mémoires relatifs a l'ordre des Insectes Myriapodes, et lus à l'Académie Impériale des Sciences de St.-Pétersbourg: 1–189.
- Brandt J. F., 1841b. Remarques critiques sur les espèces qui composent les genres Sphaerotherium et Sphaeropoeus, suivies d'une description de six espèces nouvelles des Sphaerotheries. *Bulletin Scientifique publié par l'Académie Impériale des Sciences de Saint-Pétersbourg*, 8(23): 357–365.
- Butler A. G., 1872. Descriptions of new Myriopoda of the family Glomeridae. *Annals and Magazine of Natural History*, ser. 4, 10 (59): 354–359.
- Butler A. G., 1873. A monographic revision of the genera Zephronia and Sphaerotherium, with descriptions of new species. *Proceedings of the Zoological Society of London*, 1872: 172–182.
- Butler A. G., 1882. Descriptions of new species of Myriopoda of the genus Zephronia from India and Sumatra. *Annals and Magazine of Natural History*, ser. 5, 9: 196–197.
- Carew-Reid J., 2002. Biodiversity Planning in Asia: Chapter 5. Indonesia. IUCN, Gland, Switzerland and Cambridge, UK: 131–157.
- Carl J., 1906. Diplopoden aus dem Malayischen Archipel (Reise von Dr. Walter Volz. Zoologische Jahrbücher, Abteilung für Systematik, *Ökologie und Geographie der Tiere*, 24(3): 227–246.
- Carl J., 1909. Neue Diplopoden. *Revue suisse de Zoologie*, 17: 249–271.
- Carl J., 1912. Die Diplopodenfauna von Celebes. *Revue suisse de Zoologie*, 20: 73–206.
- Carl J., 1922. Wissenschaftliche Ergebnisse einer Forschungsreise nach Ostindien, ausgeführt im Auftrage der Akademie der Wissenschaften zu Berlin von H. v. Buttel-Reepen. VIII. Diplopoden aus Sumatra, Java, M. *Zoologische Jahrbücher, Abteilung für Systematik, Ökologie und Geographie der Tiere*, 44: 565–578.
- Carl J., 1942. Contribution à la connaissance des Limacomorpha. Essai de morphologie comparée. *Revue suisse de Zoologie*, 49: 133–167.
- Chamberlin R. V., 1920. The Myriopoda of the Australian Region. *Bulletin of the Museum of Comparative Zoology*, 64(1): 1–269.
- Chamberlin R. V., 1921. V - New Chilopoda and Diplopoda from the East Indian region. *Journal of Natural History*, Series, 9, 7(37): 50–87.
- Chamberlin R. V., 1945. On some Diplopods from the Indo-Australian Archipelago. *American Museum Novitates*, 1282: 1–43.
- Daday J., 1889. A Magyar Nemzeti Muzeum idegenföldi Myriopodái – Myriopoda extranea Musaei Nationalis Hungarici. *Természetrájszi Füzetek*, 12: 115–156.
- Gervais P., 1837. Études pour servir à l'histoire naturelle des Myriapodes. *Annales des Sciences naturelles, Zoologie*, série 2, tome 7: 35–60.
- Gervais P., 1847. Myriapodes. In: Walckenaer & Gervais: *Histoire naturelle Insectes Aptères*, 4: 1–333, Atlas, 18–22: 39–45.
- Golovatch S. I. & Kime R. D., 2009. Millipede (Diplopoda) distributions: A review. *Soil Organisms*, 81(3): 565–597.
- Golovatch S. I., 1996. The millipede family Paradoxosomatidae on Borneo, with contributions to the faunas of some other islands of the Sunda area (Diplopoda, Polydesmida. *Revue Suisse de Zoologie*, 103(1): 151–193.
- Golovatch S. I. & Geoffroy J.-J., 2012. Two new species of the millipede genus Hyleoglomeris Verhoeff, 1910 from near Java, Indonesia (Diplopoda: Glomeridae. *Arthropoda Selecta*, 21(3): 217–221.
- Golovatch S. I., Geoffroy J.-J. & Mauriès J.-P., 2006. Review of the millipede genus Hyleoglomeris Verhoeff, 1910 (Diplopoda, Glomerida, Glomeridae),

- with descriptions of new species from caves in Southeast Asia. *Zoosystema*, 28(4): 887–915.
- Golovatch S. I. & Hoffman R. L., 2000. On the diplopod taxa and type material of J. F. Brandt, with some new descriptions and identities (Diplopoda). *Fragmenta faunistica*, Supplement, 43: 229–249.
- Hoffman R. L., 1976. The systematic status of the diplopod genus *Rajasphaera* Attems, 1935 (Sphaerotheriida. *Entomologische Mitteilungen aus dem Zoologischen Staatsinstitut und Zoologischen Museum Hamburg*, 5(95): 117–126.
- Hoffman R.L., 1980 (for 1979). Classification of the Diplopoda. Geneva, pp. 237.
- Hollier J., Stöckli E., Wesener T., Mesibov R., Decker P. & Sierwald P., 2020. An annotated list of the millipede (Diplopoda) species described by Johann Carl. *Revue suisse de Zoologie*, 127(1): 183–240. <https://www.doi.org/10.35929/RSZ.0015>
- Hopkin S. P. & Read H. J., 1992. The biology of millipedes. Oxford, New York, Tokyo: 1–233.
- Jeekel C. A. W., 1971. Nomenclator generum et familiarum Diplopodorum: A list of the genus and family-group names in the Class Diplopoda from the 10th edition of Linnaeus, 1758, to the end of 1957. *Monografieen van de Nederlandse Entomologische Vereniging*, 5: 1–412.
- Jeekel C. A. W., 1974. The group taxonomy and geography of the Sphaerotheriida (Diplopoda). *Symposia of the Zoological Society of London*, 32: 41–52.
- Jeekel C. A. W., 2001. A bibliographic catalogue of the Asiatic Sphaerotheriida (Diplopoda. *Myriapod memoranda*, 3: 5–38.
- Jeekel C. A. W., 2003. A bibliographic catalogue of the order Glomeridesmida (Diplopoda. *Myriapod Memoranda*, 6: 102–109.
- Jiang T., Feng G., Shen J., Li L. & Fu X., 1981. Observation of the effect of *Spirobolus bungii* extract on cancer cells. *Journal of Traditional Chinese Medicine*, 1(1): 34–38.
- Karsch F., 1881. Zur Formenlehre der pentazonen Myriopoden. *Archiv für Naturgeschichte*, 47(1): 19–35.
- Koch C. L., 1863. Die Myriapoden. *Getreu nach der Natur abgebildet und beschrieben*. Bd. 1: 1–134, pl. 1–60; 2: 1–112, pl. 61–119.
- Koch C. L., 1847. System der Myriapoden mit den Verzeichnissen und Berichtigungen zu Deutschlands Crustaceen, Myriapoden und Arachniden. In: Panzer & Herrich-Schäffer A.: Kritische Revision der Insectenfauna Deutschlands, III. Bändchen, Regensburg, 1–196.
- Korsós Z., 1983. Diplopod types in the Hungarian Natural History Museum, I. *Annales historico-naturales Musei nationalis hungarici*, 75: 117–120.
- Lucas H., 1840. Histoire Naturelle des Crustacés, des Arachnides et des Myriapodes. P. Duménil, Paris, pp. 600.
- Minelli A., 2015. Treatise on Zoology–Anatomy, Taxonomy, Biology. The Myriapoda, Vol. 2. *Brill Publisher*, pp. 482.
- Moritz M. & Fischer S.-C., 1974. Die Typen der Myriapoden– Sammlung des Zoologischen Museums Berlin. I. Diplopoda. Teil. 1. *Mitteilungen aus dem Museum für Naturkunde in Berlin*, 49: 351–385.
- Olliff A. S., 1882. Description of a new species of the genus *Zephronia*, from Borneo. *Cistula entomologica*, 3: 29–30.
- Pocock R. I., 1889. LXI - A new species of *Glomeris* from Borneo. *Journal of Natural History*, 4(24): 474–474.
- Pocock R. I., 1890. Three new species of *Zephronia* from the Oriental Region. *Annali del Museo civico di storia naturale di Genova*, serie 2, 9: 79–83.
- Pocock R. I., 1894a. Chilopoda, Symphyla, and Diplopoda from the Malay

- Archipelago. *Zoologische Ergebnisse einer Reise in Niederländisch Ost-Indien*, 3: 307–404.
- Pocock R. I., 1894b. Contributions to our knowledge of the arthropod fauna of the West Indies. – Part III. Diplopoda and Malacopoda, with a supplement on the Arachnida of the class Pedipalpi. *Journal of the Linnean Society of London (Zoology)*, 24: 473–544.
- Pocock R. I., 1895. Descriptions of new genera of Zephroniidae, with brief preliminary Diagnoses of some new Species. *Annals and Magazine of Natural History*, ser. 6, 16: 409–415.
- Preudhomme de Borre A., 1884. Tentamen catalogi Glomeridarum hucusque descriptarum. *Annales de la Société Entomologique de Belgique*, 28: 19–28.
- Rack G., 1974. Die Entomologischen Sammlungen des Zoologischen Instituts und Zoologischen Museums der Universität Hamburg. III. Teil (Nachtrag. Chilopoda und Progoneata. *Mitteilungen aus dem Hamburgischen zoologischen Museum und Institut*, 70: 105–118.
- Shelley R. M., 2011. The Milliped order Glomeridesmida (Diplopoda: Pentazonia: Limacomorpha) in Oceania, the East Indies, and southeastern Asia; first records from Palau, the Philippines, Vanuatu, New Britain, the Island of New Guinea, Cambodia, Thailand, and Borneo and Sulawesi, Indonesia. *Insecta Mundi*, 0196: 1–11.
- Silvestri F., 1895. I chilopodi ed i diplopodi di Sumatra e delle isole Nias, Engano e Mentavei. *Annali del Museo civico di storia naturale di Genova*, ser. 2, 34: 707–760.
- Silvestri F., 1896. Diplopodi di Borneo. *Annali del Museo civico di storia naturale di Genova*, serie 2, 16: 20–28.
- Silvestri F., 1897a. Neue Diplopoden. *Abhandlungen und Berichte des Königl. Zoologischen und Anthropologisch-Ethnographischen Museums zu Dresden*, 6(9): 1–23.
- Silvestri F., 1897b. Systema Diplopodum. *Annali del Museo civico di storia naturale di Genova*, serie 2, 18: 644–651.
- Silvestri F., 1917. Contributions to a knowledge of the oriental Diplopoda Oniscomorpha. I, The family Glomeridae. *Records of the Indian Museum*, 13(3.9): 103–151.
- Sinclair F. G., 1901. On the myriapods collected during the "Skeat Expedition", to the Malay Peninsula 1899–1900. *Proceedings of the Zoological Society of London*, 2: 505–533.
- Tömösváry Ö., 1885. Myriopoda a Joanne Xantus in Asia orientali collecta. *Természetrázi Füzetek*, 9: 63–72.
- Verhoeff K. W., 1910. Über Diplopoden. 41. Aufsatz: Indomalayische Glomeriden. *Sitzungsberichte der Gesellschaft Naturforschender Freunde zu Berlin*, 1910(5): 240–249.
- Verhoeff K. W., 1924. Results of Dr. E. Mjöberg's Swedish Scientific Expeditions to Australia 1910–1913. 34. Myriapoda: Diplopoda. *Arkiv för Zoologi*, 16(5): 1–142.
- Verhoeff K. W., 1935. Über Diplopoden aus Japan, gesammelt von Herrn Y. Takakuwa. *Transactions of the Sapporo Natural History Society*, 14(3): 148–172.
- Verhoeff K. W., 1939. Über eine neue Tonkinobelum-Art der Sphaerotheriidae. *Kunliga Fysiografiska Sällskapets i Lund förhandlingar*, 9(17): 210–212.
- Wang Y. M., 1951. The myriopoda of the Philippine Islands. Dissertation, Department of Invertebrate Zoology, University of Utha: 1–80.
- Wang Y. M., 1961. The Diplopoda of the Philippine Islands - A revision of the Myriapoda of the Philippine Islands. *Quarterly Journal of the Taiwan Museum*, 14: 89–140.

- Wang Y. M., 1967. Serica IT: Supplement to the Millipedes and the Centipedes of Malay Archipelago and South Sea Islands, Singapore, Sarawak and Sumatra. *Quarterly journal of the Taiwan Museum*, 20: 383–390.
- Wesener T., 2016a. The Giant Pill–Millipedes, order Sphaerotheriida - An annotated species catalogue with morphological atlas and list of apomorphies (Arthropoda: Diplopoda. *Bonn zoological Bulletin*, supplementum 63: 1–104.
- Wesener T., 2016b. Redescription and phylogenetic analysis of the type species of the giant pill–millipede genus *Sphaeropoeus* Brandt, 1833 (Diplopoda, Sphaerotheriida, Zephroniidae. *Zootaxa*, 4184(1): 141–157. doi: 10.11646/zootaxa.4184.1.9
- Wesener T., Wongthamwanich N., Moritz L., 2021. Description of the first species of Glomeridesmida from Thailand (Diplopoda, Glomeridesmida, Glomeridesmidae). *ZooKeys*, 1024: 137–156. doi: 10.3897/zookeys.1024.63678