

The Taxonomicon

Systema Naturae 2000

Classification of
Order *Scorpiones*
(arachnids)
down to Family

Compiled by Drs. S.J. Brands
Universal Taxonomic Services

6 Jan 2021

Systema Naturae 2000

- Order Scorpiones -

[Kingdom *Animalia*: Phylum *Arthropoda*: Class *Arachnida* - arachnids]

Order *Scorpiones* Koch, 1837 - scorpions

- 01 Genus †*Brontoscorpio* Kjellesvig-Waering, 1972, incertae sedis
- 02 Genus †*Gondwanascorpio* Gess, 2013, incertae sedis
- 03 Genus †*Gymnoscopus* Jeram, 1994, incertae sedis
- 04 Genus †*Hubeiscorpio* Walossek, Li & Brauckmann, 1990, incertae sedis
- 05 Genus †*Liassoscorpionides* Bode, 1951, incertae sedis
- 06 Genus †*Palaeomachus* Pocock, 1911, incertae sedis
- 07 Genus †*Permomatveevia* Dammann, 2017, incertae sedis
- 08 Genus †*Titanoscorpio* Kjellesvig-Waering, 1986, incertae sedis
- 09 Genus †*Wattisonia* Wills, 1960, incertae sedis
- 10 [plesion] Genus †*Parioscorpio* Wendruff, Babcock, Wirkner, Kluessendorf & Mikulic, 2020
- 11.1 [plesion] Genus †*Eramoscopus* Waddington, Rudkin & Dunlop, 2015
- 11.2.1 [plesion] Family †*Proscorpiidae* Scudder, 1885
- 11.2.2.1.1 Suborder †*Holosternina* Kjellesvig-Waering, 1986
 - 1 Superfamily †*Acanthoscordionidea* Kjellesvig-Waering, 1986
 - 1 Family †*Acanthoscordionidae** Kjellesvig-Waering, 1986
 - 2 Family †*Stenoscordionidae* Kjellesvig-Waering, 1986
 - 2 Superfamily †*Allopalaeophonoidea* Kjellesvig-Waering, 1986
 - 1 Family †*Allopalaeophonidae** Kjellesvig-Waering, 1986
 - 3 Superfamily †*Eoconoidea* Kjellesvig-Waering, 1986
 - 1 Genus †*Aspiscorpio* Kjellesvig-Waering, 1986
 - 2 Family †*Anthrascorpionidae* Fritsch, 1904
 - 3 Family †*Buthiscorpiidae* Kjellesvig-Waering, 1986
 - 4 Family †*Eoconidae** Kjellesvig-Waering, 1986
 - 5 Family †*Garnettiidae* Dubinin, 1962
 - 4 Superfamily †*Gigantoscordionidea* Kjellesvig-Waering, 1986
 - 1 Family †*Gigantoscorpionidae** Kjellesvig-Waering, 1986
 - 5 Superfamily †*Mesophonoidea* Wills, 1910
 - 1 Family †*Centromachidae* Petrunkevitch, 1953
 - 2 Family †*Gallioscorpionidae* Lourenço & Gall, 2004
 - 3 Family †*Helioscorpionidae* Kjellesvig-Waering, 1986
 - 4 Family †*Mazoniidae* Petrunkevitch, 1913
 - 5 Family †*Mesophonidae** Wills, 1910
 - 6 Family †*Willsiscorpionidae* Kjellesvig-Waering, 1986
 - 6 Superfamily †*Palaeoscordioidea* Lehmann, 1944
 - 1 Family †*Palaeoscordiidae** Lehmann, 1944
 - 7 Superfamily †*Spongiophonoidea* Kjellesvig-Waering, 1986
 - 1 Family †*Praearcturidae* Kjellesvig-Waering, 1986
 - 2 Family †*Spongiophonidae** Kjellesvig-Waering, 1986
- 11.2.2.1.2 Suborder †*Meristosternina* Kjellesvig-Waering, 1986
 - 1 Superfamily †*Cyclophthalmoidea* Thorell & Lindström, 1885
 - 1 Family †*Cyclophthalmidae** Thorell & Lindström, 1885
 - 2 Family †*Microlabidae* Kjellesvig-Waering, 1986
 - 2 Superfamily †*Palaeobuthoidea* Kjellesvig-Waering, 1986
 - 1 Family †*Palaeobuthidae** Kjellesvig-Waering, 1986
- 11.2.2.2.1 Suborder †*Lobosternina* Pocock, 1911
 - 1 Superfamily †*Isobuthoidea* Petrunkevitch, 1913
 - 1 Family †*Eobuthidae* Kjellesvig-Waering, 1986
 - 2 Family †*Eoscorpiidae* Scudder, 1884
 - 3 Family †*Isobuthidae** Petrunkevitch, 1913
 - 4 Family †*Kronoscorpionidae* Kjellesvig-Waering, 1986
 - 5 Family †*Pareobuthidae* Kjellesvig-Waering, 1986
 - 2 Superfamily †*Paraisobuthoidea* Kjellesvig-Waering, 1986
 - 1 Family †*Paraisobuthidae** Kjellesvig-Waering, 1986
 - 2 Family †*Scoloposcorpionidae* Kjellesvig-Waering, 1986
 - 3 Family †*Telmatoscorpionidae* Kjellesvig-Waering, 1986
 - 3 Superfamily †*Loboarchaeoconoidea* Kjellesvig-Waering, 1986
 - 1 Family †*Loboarchaeoconidae** Kjellesvig-Waering, 1986
 - 2 Family †*Waterstoniidae* Kjellesvig-Waering, 1986
 - 4 Superfamily †*Palaeophonoidea* Thorell & Lindström, 1885
 - 1 Family †*Palaeophonidae** Thorell & Lindström, 1885
- 11.2.2.2.2.1 Suborder †*Bilobosternina* Kjellesvig-Waering, 1986
 - 1 Superfamily †*Branchioscorpionoidea* Kjellesvig-Waering, 1986
 - 1 Family †*Branchioscorpionidae** Kjellesvig-Waering, 1986
 - 2 Family †*Dolichophonidae* Petrunkevitch, 1953
- 11.2.2.2.2.2 Suborder *Neoscorpionina* Thorell & Lindström, 1885
 - 1 Infraorder *Orthosterni* Pocock, 1911
 - 1 Genus †*Corniops* Jeram, 1994, incertae sedis
 - 2 Parvorder *Buthida* Soleglad & Fet, 2003
 - 1 Superfamily *Buthoidea** Koch, 1837
 - 1 Family †*Archaeobuthidae* Lourenço, 2001

Systema Naturae 2000

- Order Scorpiones -

- 2 Family †*Palaeoburmesebuthidae* Lourenço, 2015
- 3 Family †*Chaerilobuthidae* Lourenço & Beigel, 2011
- 4 Family †*Palaeotrilineatidae* Lourenço, 2012
- 5 Family †*Sucinlourencoidae* Rossi, 2015
- 6 Family †*Protobuthidae* Lourenço & Gall, 2004
- 7 Family *Buthidae** Koch, 1837
- 2.1 Superfamily *Chaeriloidea* Pocock, 1893
 - 1 Family *Chaerilidae** Pocock, 1893
- 2.2 Superfamily *Pseudochactoidea* Gromov, 1998
 - 1 Family *Pseudochactidae** Gromov, 1998
- 3 Parvorder *Iurida* Soleglad & Fet, 2003
 - 1 Family *Heteroscorpionidae* Kraepelin, 1905, incertae sedis
 - 2.1 Family *Typhlochactidae* Mitchell, 1968, incertae sedis
 - 2.2 Family †*Akravidae* Levy, 2007, incertae sedis
- 3 Superfamily *Iuroidea** Thorell, 1876
 - 1 Family *Iuridae** Thorell, 1876
- 4.1 Superfamily *Bothriuroidea* Simon, 1880
 - 1 Family *Bothriuridae** Simon, 1880
- 4.2.1 Superfamily *Caraboctonoidea* Kraepelin, 1905
 - 1 Family *Caraboctonidae** Kraepelin, 1905
 - 2 Family *Superstitioniidae* Stahnke, 1940
- 4.2.2.1 Superfamily *Chactoidea* Pocock, 1893
 - 1 Family †*Palaeoeuscorpiidae* Lourenço, 2003
 - 2.1 Family *Euscorpiidae* Laurie, 1896
 - 2.2 Family *Scorpiopidae* Kraepelin, 1905
 - 3 Family *Chactidae** Pocock, 1893
- 4.2.2.2.1 Superfamily *Hadruroidea* Stahnke, 1974
 - 1 Family *Hadruridae** Stahnke, 1974
- 4.2.2.2.1.2 Subfamily *Uroctoninae* Mello-Leitão, 1934, incertae sedis
- 4.2.2.2.2.1 Family *Troglotayosicidae* Lourenço, 1998, incertae sedis
- 4.2.2.2.2.1 Superfamily *Scorpionoidea* Latreille, 1802
 - 1 Genus †*Compsoscorpis* Petrunkevitch, 1949, incertae sedis
 - 2 Family †*Palaeopisthacanthidae* Kjellesvig-Waering, 1986
 - 3.1 Family *Hormuridae* Laurie, 1896
 - 3.2.1 Family †*Protoischnuridae* Carvalho & Lourenço, 2001
 - 3.2.2 Family *Hemiscorpiidae* Pocock, 1893
- 4.1 Family *Urodacidae* Pocock, 1893
- 4.2.1 Family *Diplocentridae* Karsch, 1880
- 4.2.2 Family *Scorpionidae** Latreille, 1802
- 4.2.2.2.2.2 Superfamily *Vaejovoidea* Thorell, 1876
 - 1 Family *Vaejovidae** Thorell, 1876

Citation: Brands, S.J. (ed.), 2021. Classification of Order Scorpiones (arachnids) down to Family. In Systema Naturae 2000. *The Taxonomicon*. Universal Taxonomic Services, Zwaag, The Netherlands, 6 Jan 2021. <<http://taxonomicon.taxonomy.nl/TaxonTree.aspx?src=0&id=86901>>

Sources

- Dunlop, J.A., Penney, D. & Jekel, D.** (comps.) 2020. *A summary list of fossil spiders and their relatives*. In World Spider Catalog, version 20.5. Natural History Museum Bern, 15 Jan 2020: 1-304.
- Francke, O.F.** 2019. Conspectus Genericus Scorpionorum 1758-1985 (Arachnida: Scorpiones) updated through 2018. *Zootaxa* **4657** (1), 16 Aug 2019: 1-56.
- Prendini, L.** 2011. Order Scorpiones C.L. Koch, 1850. In Z.-Q. Zhang (ed.), Animal biodiversity. *Zootaxa* **3148**, 23 Dec 2011: 115-117.
- Santibáñez-López, C.E., González-Santillán, E., Monod, L. & Sharma, P.P.** 2019. Phylogenomics facilitates stable scorpion systematics: Reassessing the relationships of Vaejovidae and a new higher-level classification of Scorpiones (Arachnida). *Mol. Phyl. Evol.* **135**: 22-30.
- Santibáñez-López, C.E., Ojanguren-Affilastro, A.A. & Sharma, P.P.** 2020. Another one bites the dust: taxonomic sampling of a key genus in phylogenomic datasets reveals more non-monophyletic groups in traditional scorpion classification. *Invert. Syst.* **34**: 133-143.
- Stockwell, S.A.** 1996. Classification of the Class Scorpionida.

DISCLAIMER: This document is not published for nomenclatural purposes within the meaning of the International Code of Zoological Nomenclature (ICZN).