

Taxonomical updates in The Scorpion Files for Hormuridae(2008 →)

NB! Hormuridae was reinstated as family by Monod & Prendini (2014). Before this, the taxa included in this family was a part of Hemiscorpiidae. Taxa now included in Hormuridae is *Cheloctonus*, *Chiromachetes*, *Chiromachus*, *Hadogenes*, *Hormiops*, *Hormurus*, *Iomachus*, *Liocheles*, *opisthacanthus*, *Palaeocheloctonus* and *Tibetiomachus*.

Taxa	Status	Distribution	Comments	Reference
<i>Cheloctonus kakongo</i> Lourenco, 2022	New sp.	Congo		Lourenco WR. Une intéressante nouvelle espèce pour le genre <i>Cheloctonus</i> Pocock, 1892 (Scorpiones : Hormuridae) collectée en République du Congo. <i>Faunitaxys</i> . 2022;10(6):1-7.
<i>Chiromachetes agasthyamalaiensis</i> Khandekar, Thackeray, Pawar, Gangalmale & Waghe, 2022	New sp.	India		Khandekar A, Thackeray T, Pawar S, Gangalmale S, Waghe V. A new species of <i>Chiromachetes</i> Pocock, 1899 (Scorpiones: Hormuridae) from southern Western Ghats, India. <i>Euscorpius</i> . 2022(354):1-13.
<i>Chiromachetes parakrami</i> Sulakhe, Deshpande, Dandekar, Ketkar, Gowande, Padhye & Bastawade, 2020	New sp.	India		Sulakhe S, Deshpande S, Nikhil D, Ketkar M, Gowande G, Padhye A, et al. Two new species of <i>Chiromachetes</i> (Scorpiones: Hormuridae) from the northern Western Ghats, India. <i>Euscorpius</i> . 2020(320):1-27.
<i>Chiromachetes ramdasswamii</i> Sulakhe, Deshpande,	New sp.	India		Sulakhe S, Deshpande S, Nikhil D, Ketkar M, Gowande G,

Dandekar, Ketkar, Gowande, Padhye & Bastawade, 2020				Padhye A, et al. Two new species of <i>Chiromachetes</i> (Scorpiones: Hormuridae) from the northern Western Ghats, India. <i>Euscorpius</i> . 2020(320):1-27.
<i>Chiromachetes sahyadriensis</i>	New sp.	India		Mirza Z, Sanap R, Zambre A. A New Species of the Enigmatic Genus <i>Chiromachetes</i> Pocock, 1899 (Scorpiones: Hormuridae) from Western Ghats, India, with a Key to the Genus. <i>Euscorpius</i> . 2015 (212):1-10.
<i>Hadogenes weygoldti</i> Stahlavsky, Stundlova, Lowe, Stockmann & Kovarik, 2018	New sp.	South Africa		Šťáhlavský F, Štundlová J, Lowe G, Stockmann M, Kovařík F. Application of cytogenetic markers in the taxonomy of flat rock scorpions (Scorpiones: Hormuridae), with the description of <i>Hadogenes weygoldti</i> sp. n. <i>Zoologischer Anzeiger</i> . 2018;Accepted Manuscript.
<i>Hormiops infulcra</i> Monod, 2014	New sp.	Endemic for two islands of the Seribuat Archipelago, Malaysia.		Monod L. The genus <i>Hormiops</i> Fage, 1933 (Hormuridae, Scorpiones), a palaeoendemic of the South China Sea: Systematics and biogeography. <i>Comptes Rendus - Biologies</i> . 2014, In Press.
Hormuridae	New status		Reinstated as family. Previously included a subfamily in	Monod L, Prendini L. Evidence for Eurogondwana: The roles of

			Hemiscorpiidae. See article for details.	dispersal, extinction and vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). Cladistics. 2014;In Press.
<i>Hormurus</i> Thorell, 1876	New status		Restored from synonymy with <i>Liocheles</i> Sundevall, 1883.	Monod L, Prendini L. Evidence for Eurogondwana: The roles of dispersal, extinction and vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). Cladistics. 2014;In Press.
<i>Hormurus ancylolobus</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus araiaspathe</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male

				and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus barai</i> Monod, Iova & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Horumurus boholiensis</i> Kraepelin, 1914	New comb.		Previously <i>Liocheles boholiensis</i> (Kraepelin, 1914). See paper for details.	Monod L, Prendini L. Evidence for Eurogondwana: The roles of dispersal, extinction and vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). Cladistics. 2014;In Press.
<i>Liocheles boholiensis</i> (Kraepelin, 1914)	New status	Philippines	Restored from synonymy. See paper for details.	Monod L. Taxonomic emendations in the genus <i>Liocheles</i> Sundevall, 1833 (Scorpiones, Liochelidae). Revue Suisse de Zoologie. 2011;118(4):723-58.
<i>Hormurus cameroni</i> Monod, Austin & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L.

				Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. <i>Rev Suisse Zool.</i> 2023;130(Suppl.):1-243.
<i>Hormurus hypseloscolus</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. <i>Rev Suisse Zool.</i> 2023;130(Suppl.):1-243.
<i>Hormurus ischnoryctes</i> Monod & Prendini, 2013	New sp.	Australia		Monod L, Harvey MS, Prendini L. Stenotopic <i>Hormurus</i> Thorell, 1876 scorpions from the monsoon ecosystems of northern Australia, with a discussion on the evolution of burrowing behaviour in Hormuridae Laurie, 1896. <i>Rev Suisse Zool.</i> 2013 Jun;120(2):281-346.
<i>Hormurus karschii</i> Keyserling, 1885	New comb.		Previously <i>Liocheles karschii</i> (Keyserling, 1885)	Monod L, Prendini L. Evidence for Eurogondwana: The roles of dispersal, extinction and

				vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). Cladistics. 2014;In Press.
<i>Hormurus krausi</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus litodactylus</i> (Monod & Volschenk, 2004)	New comb.		Previously <i>Liocheles litodactylus</i> Monod & Volschenk, 2004	Monod L, Prendini L. Evidence for Eurogondwana: The roles of dispersal, extinction and vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). Cladistics. 2014;In Press.
<i>Hormurus longimanus</i> (Locket, 1995)	New status		<i>Hormurus longimanus</i> (Locket, 1995) is reinstated as the valid name for this species and the replacement name, <i>Liocheles extensus</i> Locket, 1997 placed in synonymy. Unlike most species of <i>Hormurus</i> and of the closely related	Monod L, Harvey MS, Prendini L. Stenotopic <i>Hormurus</i> Thorell, 1876 scorpions from the monsoon ecosystems of northern Australia, with a discussion on the evolution of burrowing behaviour in Hormuridae Laurie, 1896. Rev Suisse Zool. 2013

				Jun;120(2):281-346.
<i>Hormurus macrochela</i> Monod, 2013	New sp.	Australia		Monod L, Harvey MS, Prendini L. Stenotopic <i>Hormurus</i> Thorell, 1876 scorpions from the monsoon ecosystems of northern Australia, with a discussion on the evolution of burrowing behaviour in Hormuridae Laurie, 1896. Rev Suisse Zool. 2013 Jun;120(2):281-346.
<i>Hormurus maiwa</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus menapi</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.

<i>Hormurus muyua</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus neocaledonicus</i> (Simon, 1877)	New comb.		Previously <i>Liocheles neocaledonicus</i> (Simon, 1877)	Monod L, Prendini L. Evidence for Eurogondwana: The roles of dispersal, extinction and vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). Cladistics. 2014;In Press.
<i>Hormurus ochyroscapter</i> Monod, 2013	New sp.	Australia		Monod L, Harvey MS, Prendini L. Stenotopic <i>Hormurus</i> Thorell, 1876 scorpions from the monsoon ecosystems of northern Australia, with a discussion on the evolution of burrowing behaviour in Hormuridae Laurie, 1896. Rev Suisse Zool. 2013 Jun;120(2):281-346.
<i>Hormurus oyatabu</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus

				Hormurus Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus oyawaka</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus Hormurus Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus papuanus</i> Kraepelin, 1914	New status		Was missing from The Scorpion Files (probably not in the World Catalog) but is valid according to this paper.	Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus Hormurus Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus penta</i> (Francke & Lourenco, 1991)	New comb.		Previously <i>Liocheles penta</i> Francke & Lourenco, 1991	Monod L, Prendini L. Evidence for Eurogondwana: The roles of dispersal, extinction and

				vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). Cladistics. 2014;In Press.
<i>Hormurus polisorum</i> (Volschenk, Locket & Harvey, 2001)	New comb.		Previously <i>Liocheles polisorum</i> Volschenk, Locket & Harvey, 2001	Monod L, Prendini L. Evidence for Eurogondwana: The roles of dispersal, extinction and vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). Cladistics. 2014;In Press.
<i>Hormurus sibonai</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus slapcinskyi</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures

				suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus sporacanthophorus</i> Monod & Prendini, 2023	New sp.	Papua New Guinae		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus Hormurus Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus tagula</i> Monod & Prendini, 2023	New sp.	Papua New Guinae		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus Hormurus Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Hormurus waigiensis</i> (Gervais, 1943)	New comb.		Previously <i>Liocheles waigiensis</i> (Gervais, 1943)	Monod L, Prendini L. Evidence for Eurogondwana: The roles of dispersal, extinction and vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones: Scorpionoidea). Cladistics.

				2014;In Press.
<i>Hormurus yela</i> Monod & Prendini, 2023	New sp.	Papua New Guinea		Monod L, Lehmann-Graber C, Austin CC, Iova B, Prendini L. Atlas of Australasian hormurid scorpions. I. The genus <i>Hormurus</i> Thorell, 1876 in Papua New Guinea. Exceptional morphological diversity in male and female copulatory structures suggests genital coevolution. Rev Suisse Zool. 2023;130(Suppl.):1-243.
<i>Iomachus borana</i> (Di Caporiacco, 1939)	New status		Restored from synonymy with <i>I. politus</i> Pocock, 1896	Lourenco WR. Nouvelles considérations taxonomiques sur le genre <i>Iomachus</i> Pocock, 1893 (Scorpiones: Hormuridae), et en particulier sur les espèces africaines. Revista Iberica de Arachnologia. 2020(37):205–11.
<i>Iomachus ineichi</i> Lourenco, 2020	New sp.	Mozambique		Lourenco WR. Nouvelles considérations taxonomiques sur le genre <i>Iomachus</i> Pocock, 1893 (Scorpiones: Hormuridae), et en particulier sur les espèces africaines. Revista Iberica de Arachnologia. 2020(37):205–11.
<i>Iomachus malabarensis</i> Pocock, 1900	New status	India	Restored from subspecies status. Previous name: <i>Iomachus laeviceps malabarensis</i> Pocock, 1900.	Monod L, Prendini L. Evidence for Eurogondwana: The roles of dispersal, extinction and vicariance in the evolution and biogeography of Indo-Pacific Hormuridae (Scorpiones:

				Scorpionoidea). Cladistics. 2015;31:71-111.
<i>Liocheles longimanus</i> (Werner, 1939)	New status	Indonesia, Sumatra	Restored from synonymy. Previous status <i>Liocheles australasiae longimanus</i> Werner, 1939.	Monod L. Taxonomic emendations in the genus <i>Liocheles</i> Sundevall, 1833 (Scorpiones, Liochelidae). Revue Suisse de Zoologie. 2011;118(4):723-58.
<i>Liocheles neocaledonicus</i> (Simon, 1877)	New status	New Caledonia	Restored from synonymy. See paper for details.	Monod L. Taxonomic emendations in the genus <i>Liocheles</i> Sundevall, 1833 (Scorpiones, Liochelidae). Revue Suisse de Zoologie. 2011;118(4):723-58.
<i>Liocheles oranghutan</i>	New sp.	Indonesia		Ythier E, Richard T. Description of a new species of cave-dwelling species of <i>Liocheles</i> Sundevall, 1833 (Scorpiones: Buthidae) from Sumatra. Revista Iberica de Arachnologia. 2020(37):159-64.
<i>Liocheles schalleri</i> Mirza, 2017	New sp.	India		Mirza ZA. Description of a new species of <i>Liocheles</i> Sundevall, 1833 (Hormuridae) from India. Zootaxa. 2017;4365(2):217-30.
<i>Opisthacanthus ambanja</i> Lourenco, 2014	New sp.	Madagascar		Lourenco WR. Micro-endemic and vicariant populations of <i>Opisthacanthus</i> Peters, 1861 (Scorpiones: Hormuridae) in Madagascar, with descriptions of two new species. Arthropoda Selecta. 2014;23(4):383-9.

<i>Opisthacanthus andohahela</i> Lourenco, 2014	New sp.	Madagascar		Lourenco WR. A new species of <i>Opisthacanthus</i> Peters, 1861 (Scorpiones: Hormuridae) from the Parc National d'Andohahela, Madagascar. Entomologische Mitteilungen aus dem Zoologischen Museum Hamburg. 2014;17(193):179-91.
<i>Opisthacanthus antsiranana</i> Lourenco, 2014	New sp.	Madagascar		Lourenco WR. Micro-endemic and vicariant populations of <i>Opisthacanthus</i> Peters, 1861 (Scorpiones: Hormuridae) in Madagascar, with descriptions of two new species. Arthropoda Selecta. 2014;23(4):383-9.
<i>Opisthacanthus autanensis</i>	New sp.	Venezuela	Published in 2004, but the species was not registered in The Scorpion Files until February 2008.	Gonzales-Sponga MA. Arácnidos de Venezuela. <i>Opisthacanthus autanensis</i> una nueva especie del género <i>Opisthacanthus</i> (Scorpiones: Ischnuridae). Bol Acad C Fis Mat y Nat. 2004;LXIV(1-2):9-16.
<i>Opisthacanthus brevicauda</i> Rojas-Runjaic, Borges & Armas, 2008	New sp.	Venezuela	Previously misidentified as <i>Opisthacanthus elatus</i> (Gervais, 1844).	Rojas-Runjaic FJM, Borges A, de Armas LF. Nueva especie de <i>Opisthacanthus</i> Peters, 1861 (Scorpiones, Hemiscorpiidae) de la Sierra de Perija, Venezuela, basada en criterios morfológicos y moleculares. Boletín Sociedad Entomológica Aragonesa. 2008(43):49-59.

<i>Opisthacanthus heurtaultae</i> Lourenco, 1980	New status		Added to The Scorpion Files in January 2018. It was restored to species status by Lourenco, 1995, but this was missed until now.	Lourenco WR. Nouvelles considérations sur la classification et la biogéographie des <i>Opisthacanthus</i> néotropicaux (Scorpiones, Ischnuridae). <i>Biogeographica</i> . 1995;71(2):75-82.
<i>Opisthacanthus faillei</i> Lourenco & Wilme, 2019	New sp.	Madagascar		Lourenco WR, Wilme L. Scorpions from the Parc National du Tsingy de Namoroka, Madagascar, with description of a new species of <i>Opisthacanthus</i> Peters, 1861 (Scorpiones: Hormuridae). <i>Revista Iberica de Arachnologia</i> . 2019(34):13-20.
<i>Opisthacanthus lavasoa</i> Lourenco, Wilme & Waeber, 2016	New sp.	Madagascar		Lourenco WR, Wilme L, Waeber PO. One more new species of <i>Opisthacanthus</i> Peters, 1861 (Scorpiones: Hormuridae) from the Lavasoa Forest, South-Eastern Madagascar. <i>Revista Iberica de Arachnologia</i> . 2016(29):9-17.
<i>Opisthacanthus lourencoi</i> Ythier, 2022	New sp.	Madagascar		Ythier E. A new species of <i>Opisthacanthus</i> Peters, 1861 from the dry savannah formations of southern Madagascar (Scorpiones: Hormuridae). <i>Faunitaxys</i> . 2022;10(45):1-7.
<i>Opisthacanthus milloti</i>	New sp.	Madagascar		Lourenco WR, Goodman SM.

Lourenco & Goodman, 2008				Scorpions of the Reserve speciale d'Ankarana, Madagascar, with particular reference to cave-dwelling animals and the description of two new species (Arachnida, Scorpiones). <i>Zoosystema</i> . 2008;30(3):665-79.
<i>Opisthacanthus pauliani</i> Lourenco & Goodman, 2008	New sp.	Madagascar		Lourenco WR, Goodman SM. Scorpions of the Reserve speciale d'Ankarana, Madagascar, with particular reference to cave-dwelling animals and the description of two new species (Arachnida, Scorpiones). <i>Zoosystema</i> . 2008;30(3):665-79.
<i>Opisthacanthus surinamensis</i> Lourenco, 2017	New sp.	Surinam, Brazil		Lourenco WR. Description of a new species of <i>Opisthacanthus</i> Peters (Scorpiones: Hormuridae) from Suriname/Brazil border with some biogeographic considerations. <i>Acta Biologica Paranaense, Curitiba</i> . 2017;46(1-2):9-22.
<i>Opisthacanthus titanus</i> Lourenco, Wilme & Waeber, 2018	New sp.	Madagascar		Lourenco WR, Wilme L, Waeber PO. The genus <i>Opisthacanthus</i> Peters, 1861 (Scorpiones: Hormuridae), a remarkable Gondwanian group of scorpions. <i>C R Biol</i> . 2018.
<i>Palaeocheloctonus</i>	New sp.	Madagascar		Lourenco WR, Wilme L. Micro-

<i>septentrionalis</i> Lourenco & Wilme, 2015				endemic populations of Palaeocheloctonus Lourenço, 1996 (Scorpiones: Hormuridae) in Madagascar: A new case of vicariance among Malagasy scorpions. Arthropoda Selecta. 2015;24(2):189-95.
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