



A taxonomic revision of the tarantula spider genus *Lyrognathus* Pocock 1895 (Araneae, Theraphosidae), with notes on the Selenocosmiinae

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Abstract

The tarantula genus *Lyrognathus* Pocock 1895 is revised with three new species described: *L. achilles* **sp. nov.** from Gunung Nibung, Borneo; *L. fuscus* **sp. nov.** from Simpang Kubur, Borneo and *L. lessunda* **sp. nov.** from Lombok Island, Indonesia. The male of *L. robustus* Smith 1988 is described for the first time, the female is redescribed. *L. crotalus* Pocock 1895 is considered a senior synonym of *L. pugnax* Pocock 1900. Several new characters are discussed, with *Lyrognathus* keyed to species. The diagnosis of the Selenocosmiinae is amended. Zoogeographic distribution, natural history and subfamilial relationships with proposed sister genera *Selenocosmia* Ausserer 1871 and *Coremiocnemis* Simon 1892 are discussed. *Lyrognathus saltator* is redescribed. *Selenocosmia lyra* Strand 1913 is considered a *nomen dubium*.

Key words: Mygalomorph, new species, Lombok, Malaysia, India, Borneo, Indonesia, distribution, zoogeography, natural history