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Taxonomic revision of the genus *Benthana* Budde-Lund, 1908 (Isopoda: Oniscidea: Philosciidae)

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Abstract

The neotropical genus *Benthana* (Philosciidae) is reviewed. Fourteen species are redescribed: *Benthana picta*, *B. olfersii*, *B. longicornis*, *B. schubarti*, *B. albomarginata*, *B. weneri*, *B. santosi*, *B. longipenis*, *B. bocainensis*, *B. moreirai*, *B. dimorpha*, *B. iporangensis*, *B. sulcata*, and *B. longicaudata*. Additional characters were proposed for *B. convexa*, *B. taeniata*, *B. serrana*, *B. trinodulata*, *B. araucariana*, and *B. cairensis*. New records are provided for 13 species, and four new species are described: *Benthana aimores* sp. nov., *Benthana goitacas* sp. nov., *Benthana tupinamba* sp. nov. and *Benthana canastraensis* sp. nov.. Two Chilean species are considered *incertae sedis*. A pictorial key and distribution maps for the species are provided.

Key words: new species, terrestrial isopods, Neotropical, Brazil

Introduction

The family Philosciidae Kinahan, 1857 includes ca. 110 genera widely distributed in Europe, Africa, southern Asia, Australia, and the Americas (Schmalzfuss 2003; Campos-Filho *et al.* 2014). The family is one of the most important oniscidean components in tropical habitats and humid environments (Leistikow 2001). The family is considered to be paraphyletic (Leistikow 2001; Schmidt 2002, 2003, 2008) due to characters shared with Halophilosciidae Verhoeff, 1908 and Scleropactidae Verhoeff, 1938.