

Taxonomic Revision of *Natatolana* (Crustacea: Isopoda: Cirolanidae)

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ABSTRACT. *Natatolana* Bruce, 1981 is one of the most speciose, widespread and abundant isopod genera occurring in marine environments. Species in the genus are ecologically important as scavengers and occasionally have a negative impact on commercial fisheries by feeding on catches restrained in traps, nets or on lines. The study of *Natatolana* species is hampered by difficulties in identification, inadequate descriptions and a lack of overall taxonomic revision. In this study, taxonomic, biogeographical and ecological information is reviewed for all 72 species of *Natatolana* now recognized worldwide. A revised generic diagnosis, a key to species, and diagnoses and synonymies for all species are presented. Phylogenetic relationships of the genus and species are discussed. Thirteen new species are described, 10 from Australia: *N. brucei* n.sp., *N. buzwilsoni* n.sp., *N. debrae* n.sp., *N. femina* n.sp., *N. flexura* n.sp., *N. helenae* n.sp., *N. lilliput* n.sp., *N. rusteni* n.sp., *N. sinuosa* n.sp., and *N. zebra* n.sp., and three from New Zealand: *N. aotearoa* n.sp., *N. honu* n.sp., and *N. paranarica* n.sp. Redescriptions or new illustrations are provided for an additional seven species. Lectotypes are designated for three species. Justification for placement of *N. lurur* and *N. wullunya* as junior synonyms of *N. arcicauda* and *N. nammuldi*, respectively, is presented.

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