



The taxonomic revision of the gastropod family Onchidiidae is now near completion. For publications, we proceeded one genus at a time, starting with a revision of the genus *Onchidium* Buchannan, 1800 (published in ZooKeys in 2016), but the taxonomic research (visits of museum collections, locating types, gathering the literature, field collecting, comparative anatomy, DNA sequencing, etc.) started much earlier, in 2008.

Onchidiid slugs live in the intertidal, worldwide, except at the poles. Their larvae are released in sea water and, in that sense, they are truly marine. As adult slugs, however, they breathe air through a lung, and, like land snails and slugs, die if they are immersed in water for too long. The genus *Peronia* includes all the onchidiid slugs with dorsal gills. Its taxonomy is revised for the first time based on a large collection of fresh material from the entire Indo-West Pacific, from South Africa to Hawaii. *Peronia* slugs primarily inhabit rocky shores and coral rubble, can occasionally be found on muddy sand, but are typically not found inside mangrove forests.

Nine *Peronia* species are supported by mitochondrial and nuclear DNA sequences as well as comparative anatomy. Four existing *Peronia* species names are valid and five new species names are created. *Peronia* species are cryptic externally but most of them can be distinguished using internal characters.

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SYSTEMATIC REVISION OF THE GENUS *PERONIA* FLEMING, 1822 (GASTROPODA, EUTHYNEURA, PULMONATA, ONCHIDIIDAE)

BY

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Peronia verruculata (Cuvier, 1830)

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For those who want their work rapidly known to the World !

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Book chapters: Mayr E (2000) The biological species concept. In: Wheeler QD, Meier R (Eds) *Species Concepts and Phylogenetic Theory: A Debate*. Columbia University Press, New York, 17-29.

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PhD thesis: Dalebout ML (2002) *Species identity, genetic diversity and molecular systematic relationships among the Ziphiidae (beaked whales)*. PhD thesis, Auckland, New Zealand: University of Auckland.

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