

Eight new species of Scissurellidae and Anatomidae (Mollusca: Gastropoda: Vetigastropoda) from around the world, with discussion of two new senior synonyms

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Abstract

Eight new species of Scissurellidae and Anatomidae are described: *Scissurella kaiserae* new species from the Panamic; *Scissurella lorenzi* new species from the Indo-Malayan archipelago; *Scissurella maraisorum* new species from South Africa; *Sinezona garciai* new species from the Caribbean; *Sinezona globosa* new species from the tropical Western Pacific; *Sinezona macleani* new species from the Philippines; *Sinezona singeri* new species from the Red Sea; and *Anatoma jansena* new species from southern Australia. Radulae of *Scissurella kaiserae* and *Sinezona singeri* are illustrated. *Anatoma munieri* (Fischer, Oct. 1862) is identified as a senior synonym of *Anatoma turbinata* (A. Adams, Nov. 1862), and *Sukashitrochus morleti* (Crosse, 1880) is shown to be a senior synonym of *Sukashitrochus indonesicus* Bandel, 1998, and *Sukashitrochus simplex* Bandel, 1998. These synonymies are based on examination of type material in the Muséum Nationale d'Histoire Naturelle, Paris; scanning electron microscope images of the types are provided, and lectotypes are here selected.

Key words: microgastropods, SEM, protoconch

Introduction

Scissurellidae is a family of small (1–11 mm), exclusively marine snails occurring world wide from the intertidal to the deep sea, including hydrothermal vents. There are 169 described species from the Recent, yet there are a number of undescribed ones. Here I describe eight new species in the context of a world-wide monograph of the family. Geiger (2003) recently provided an overview of the family, including an assessment of the various generic names used. The diagnoses of all supraspecific taxa given in Geiger (2003) is followed here. The family rank for Scissurellidae and Anatomidae is based on the conclusions of a molecular phylogeny of Vetigastropoda by Geiger & Thacker (2005).