

## New data on recently described Chilean trophonines (Gastropoda: Muricidae), description of a new species and notes of their occurrence at a cold seep site

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### Abstract

Additional specimens of three newly described Chilean species of *Trophon* s.l. Monfort, 1810 have been dredged recently off south-central Chile, and we here list the new data and illustrate the radulae. Another species, *Trophon wilhelmensis* Ramírez-Bohme, 1981, is combined with *Coronium* Simone, 1996. *Pagodula concepcionensis* n. sp. is described and another species remains unidentified. A type species is designated for *Pagodula* Monterosato, 1884. Part of the new material comes from an area of methane seepage located northwest of the Bay of Concepción, from 726 to 930 m depth. Many drilled valves of two species of chemosymbiotic clams (*Calyptogena gallardoi* Sellanes & Krylova, 2005 and *Thyasira methanophila* Oliver & Sellanes, 2005) were also obtained at the seep site. We assume that this holes document attacks of this trophonines to the clams.

**Key words:** Muricidae, *Trophon*, methane seep, Chile, new species

### Introduction

Six Recent species of *Trophon* were recently described from Chile by Ramírez-Bohme (1981), McLean and Andrade (1982), Pastorino (1999) and Houart (2003). *Trophon wilhelmensis* Ramírez-Bohme, 1981 was described from West of Chiloé Island (41°51.4'S) in 250 m. *Trophon bahamondei* McLean and Andrade, 1982 was described from off Pichilemu (34°27'S) in 340 m. Its range extends from Coquimbo (29°58'S) to Pichilemu, in 200–450 m. Houart (2003: 101) erroneously mixed the distribution of