

## On a new species of coral-symbiont crab of the genus *Cymo* de Haan, 1833 (Crustacea: Decapoda: Brachyura: Xanthidae), from the South China Sea

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### Abstract

A new species of obligate coral symbiont crab of the genus *Cymo* de Haan, 1833 (Brachyura: Xanthidae) is described from the Indonesian Anambas Islands in the South China Sea. The species is allied to *C. deplanatus* A. Milne-Edwards, 1873, but is easily distinguished by a suite of carapace, cheliped, male abdominal and gonopod characters. A revised key to the genus *Cymo* is presented.

**Key words:** Crustacea, Decapoda, Brachyura, Xanthidae, *Cymo*, new species, South China Sea, key

### Introduction

The obligate *Pocillopora* coral-dwelling xanthid crabs of the Indo-West Pacific genus *Cymo* De Haan, 1833 (type species *Pilumnus andreossyi* Audouin, 1826, by monotypy), currently includes seven species, viz. *C. andreossyi* (Audouin, 1826) (= *C. andreossyi maculata* Klunzinger, 1913), *C. cerasma* Morgan, 1990, *C. deplanatus* A. Milne-Edwards, 1873, *C. lanatopodus* Galil & Vannini, 1990, *C. melanodactylus* Dana, 1852 (= *Cymo melanodactylus saviiensis* Ward, 1939), *C. quadrilobatus* Miers, 1884, and *C. tuberculatus* Ortmann, 1893 (cf. Serène 1984, Galil & Vannini 1990, Morgan 1990).

Of these, *C. deplanatus* is the most distinctive, with its longitudinally elongate carapace with a smooth dorsal surface, a convex frontal margin that is lined by acute spines, an anterolateral margin that is armed with a single acute granule, with the outer surface of the palm armed with long spines, and with white to plae-coloured fingers of