



<http://dx.doi.org/10.11646/zootaxa.3995.1.14>

<http://zoobank.org/urn:lsid:zoobank.org:pub:74133FCC-BE5A-4DC5-B52A-A06A3F6FFC59>

Indoapseudes bamberi sp. nov. (Crustacea: Tanaidacea: Pagurapseudidae: Hodometricinae) from Iriomote Island, Ryukyu Islands, southwestern Japan

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Abstract

We describe *Indoapseudes bamberi* sp. nov., based on a specimen from Funaura Bay, Iriomote Island, Japan. This species can be distinguished from its five congeners by having the combination of the antenna with a squama and pereopods 1 and 2 with one dorsal spine on the basis. We also determined part of the nucleotide sequence for the cytochrome *c* oxidase subunit I (COI) gene in *I. bamberi*, and present a key to *Indoapseudes* species.

Key words: Pagurapseudidae, Hodometricinae, *Indoapseudes*, *Curtipleon*, COI, key

Introduction

The subfamily Hodometricinae Guțu, 1981 (Pagurapseudidae Lang, 1970) has a broad distributional range, with member species reported from East Africa, Southeast Asia (including Taiwan), southeastern Australia, New Caledonia, O‘ahu in the Hawaiian Islands, and the eastern coast of South America; their recorded depths range from the intertidal zone to 545 m (Haswell 1882; Beddard 1886; Miller 1940; Silva Brum 1973; Băcescu 1976a; Guțu 1989, 1997, 2006; Bamber 2005, 2007; Santos & Pires-Vanin 2006; Błażewicz-Paszkowycz & Bamber 2007, 2012; Tzeng & Hsueh 2014). This subfamily currently contains ten species in four genera: two in *Hodometrica* Miller, 1940; five in *Indoapseudes* Băcescu, 1976; one in *Parapagurapseudopsis* Silva Brum, 1973; and two in *Similipedia* Guțu, 1989 (Anderson 2013; Tzeng & Hsueh 2014). These four genera can be distinguished from one another by the shape of the carapace, the presence or absence of exopods on the cheliped and pereopod 1, and the presence or absence of pleopods in females, as summarized in Table 1 (see Remarks on *Indoapseudes bamberi* sp. nov. for the chelipedal exopod of *I. choristhema* Bamber, 2007).

TABLE 1. Diagnostic characters for four genera in the subfamily Hodometricinae.

Characters	<i>Hodometrica</i>	<i>Indoapseudes</i>	<i>Parapagurapseudopsis</i>	<i>Similipedia</i>
Exopod on cheliped	Present	Present or absent*	Present	Absent
Exopod on pereopod 1	Present	Absent	Absent	Absent
Pleopods in females	Five pairs	Absent (two pairs in <i>I. multituberculata</i>)	Five pairs	Five pairs
Posterior region of carapace in dorsal view	Swollen	Swollen	Not swollen; rectangular carapace	Swollen

* See the Remarks section concerning the chelipedal exopod in *I. choristhema*.