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## Two new species and one newly recorded species of the genus *Kamaka* (Crustacea: Amphipoda) from the Hainan Province, South China Sea

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### Abstract

A total of 5 species of the genus *Kamaka* (Crustacea: Amphipoda) are identified from Hainan Province, South China Sea. In those, one species, *Kamaka excavata* Ariyama, 2007, is recorded for the first time in Chinese waters. Two new species, *Kamaka corophina* sp. n. and *Kamaka foliacea* sp. n., are described. A key to the Chinese species is provided. They were collected from littoral zone, mud flat in seaweed of mangrove side, brackish water and seawater, sifted out with sieve.

**Key words:** taxonomy, Kamakidae, *Kamaka corophina*, *Kamaka foliacea*, new species, Chinese waters

### Introduction

The family Kamakidae Myers & Lowry, 2003 was erected based on type genus *Kamaka*, including two subfamilies, Aorchinae Myers & Lowry, 2003 and Kamakinae Myers & Lowry, 2003. Now 11 genera, *Aloiloi* Barnard, 1970, *Amphideutopus* Barnard, 1959, *Aorcho* Barnard, 1961, *Aorchoides* Ledoyer, 1972, *Cerapopsis* Della Valle, 1893, *Gammaropsella* Myers, 1995, *Kamaka* Derzhavin, 1923, *Ledoyerella* Myers, 1973, *Natarajphotis* Peethambaran “in” Lyla et al., 1998, *Paratoitoi* Myers, 1995 and *Heterokamaka* Ariyama, 2008, were set up in the Kamakidae (Ariyama 2008; Morino 2012; Myers & Lowry 2003).

The genus *Kamaka* was erected by Dershavin in 1923 (Dershavin 1923), with the type species *K. kuthae* Dershavin, 1923. Species of the genus are widely distributed in the West Indo-Pacific and in habitats with a broad range of salinities, from freshwater to seawater (Hou *et al.* 2010). Three species, *Kamaka biwae* Uéno, 1943, *Kamaka littoralis* Ren, 2006 and *Kamaka poppi* Bamber, 2003, were found from the China seas (Bamber 2003; Ren 2006; 2012; Hou *et al.* 2010). Recently, four species have been reported from Japan and Thailand (Ariyama 2007a; 2007b; Ariyama, Angsupanich & Rodcharoen 2010), and one from Cambodia (Morino 2012). At present, there are 13 valid species in the genus (Appeltans *et al.* 2012; Morino 2012).

### List of species of the genus *Kamaka* from the world oceans

[Those species from China seas are indicated by an asterisk (\*)]

*K. appendiculata* Ariyama, Angsupanich & Rodcharoen, 2010 (brackish and sea water, Southern Thailand)

\* *K. biwae* Uéno, 1943 (freshwater lake and sea water, Japan, China)

*K. derzhavini* Gurjanova, 1951 (fresh and brackish water, Kamchatka)

*K. excavata* Ariyama, 2007 (brackish water, Japan)

*K. kuthae* Derzhavin, 1923 (fresh, brackish and sea water, Okhotsk Sea)

\* *K. littoralis* Ren, 2006 (brackish water and sea water, South China Sea)

*K. morinoi* Ariyama, 2007 (fresh and brackish water, Japan)

*K. palmata* Dang, 1968 (fresh and brackish water, Northern Viet Nam)

\**K. poppi* Bamber, 2003 (brackish and sea water, Hong Kong)