



The cumacean Genus *Eudorella* (Crustacea: Peracarida) from Japanese Waters, Northwest Pacific, and *E. suluensis* sp. nov. from the Sulu Sea, Indo-West Pacific

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Abstract

Cumacean crustaceans in the genus *Eudorella* (Leuconidae) from Japanese waters, in the Northwest Pacific, were examined and the following 15 species were recognized: *E. acuticaudata* sp. nov.; *E. æquiremis* Hansen, 1920; *E. bathyalis* Vassilenko & Tzareva, 2004; *E. bathyhwanghaensis* sp. nov.; *E. breviflagella* sp. nov.; *E. dentata* Lomakina, 1955; *E. emarginata* (Kroer, 1846); *E. fusafusa* sp. nov.; *E. haradai* sp. nov.; *E. hwanghaensis* Hong & Park, 1999; *E. ohtai* sp. nov.; *E. orientalis* sp. nov.; *E. parahirsuta* sp. nov.; *E. ryukyuensis* Akiyama & Gamô, 2005; and *E. setoensis* Akiyama & Gamô, 2006. In addition, *Eudorella suluensis* sp. nov., was collected from the Sulu Sea, Philippines, Indo-West Pacific, 688–693 m. These species include 2 groups on the basis of shared morphological characters. *Eudorella bathyalis*, *E. breviflagella* sp. nov., *E. fusafusa*, *E. orientalis*, and *E. setoensis* are characterized by a row of simple setae on each side of the carapace, with both *E. breviflagella* and *E. setoensis* also characterized by a short flagellum on antenna 2 in adult males. The other group consists of *Eudorella hwanghaensis*, *E. bathyhwanghaensis*, and *E. ryukyuensis*, from southern Japan, and *E. suluensis*; with *E. hwanghaensis* and *E. bathyhwanghaensis* also characterized by a peculiar secondary sexual character on the tip of the 3rd pereopod in adult males.

Key words: Crustacea, Cumacea, *Eudorella*, new species, Japan, Sulu Sea