

Biodiversity Record: First Singapore record of the tellinid clam *Pinguitellina* aff. *cycladiformis*

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Subjects: *Pinguitellina* aff. *cycladiformis* (Mollusca: Bivalvia: Tellinidae).

Subjects identified by: Tan Siong Kiat.

Location, date and time: Singapore, Johor Strait, Lim Chu Kang; 8 July 2023, around 0930 hrs.

Habitat: Estuarine. Intertidal mudflat adjacent to mangrove forest.

Observer: Chiam Jia Hui Shirlene.

Observation: Three individuals with shell lengths of about 8 mm were found in a quadrat sample during an intertidal survey of the mudflat. They were dug out from mud at a depth of around 15 cm. Voucher material was deposited in the Zoological Reference Collection (ZRC) of the Lee Kong Chian Natural History Museum, National University of Singapore, and catalogued as ZRC.MOL.28654 (Fig. 1).

Remarks: Our specimens appear to be closest to *Pinguitellina cycladiformis*, originally described from St. Nicholas, Zebu (Cebu, the Philippines), as *Tellina cycladiformis* by Hanley (1844 [in 1844–1845]), and subsequently illustrated and described in more detail in Hanley (1846: 277, pl. LVII, fig. 61). However, our examples are more triangular in shell shape, and white without any hint of reddish colouration compared to *Pinguitellina cycladiformis* which has a rounder ventral margin, and is pale reddish pink, inside and outside (see e.g., Huber, 2015; Zvonareva et al., 2019). In addition, the lateral teeth of our shells seem to be stronger and more pronounced, and the pallial sinus, although similarly confluent, is slightly different compared to the one figured in Huber (2015: 261). For these reasons, the Singapore specimens are provisionally identified as *Pinguitellina* aff. *cycladiformis*.

Two *Pinguitellina* species, namely *Pinguitellina pinguis* and *Pinguitellina robusta*, have been reported from Singapore (e.g., Chuang, 1973; Tan & Woo, 2010), and a possible third species, *Pinguitellina* sp., was recently reported by Tan & Low (2022). None of these are similar to the species herein reported as *Pinguitellina* aff. *cycladiformis*, which appears to be a new record for Singapore.

Literature cited:

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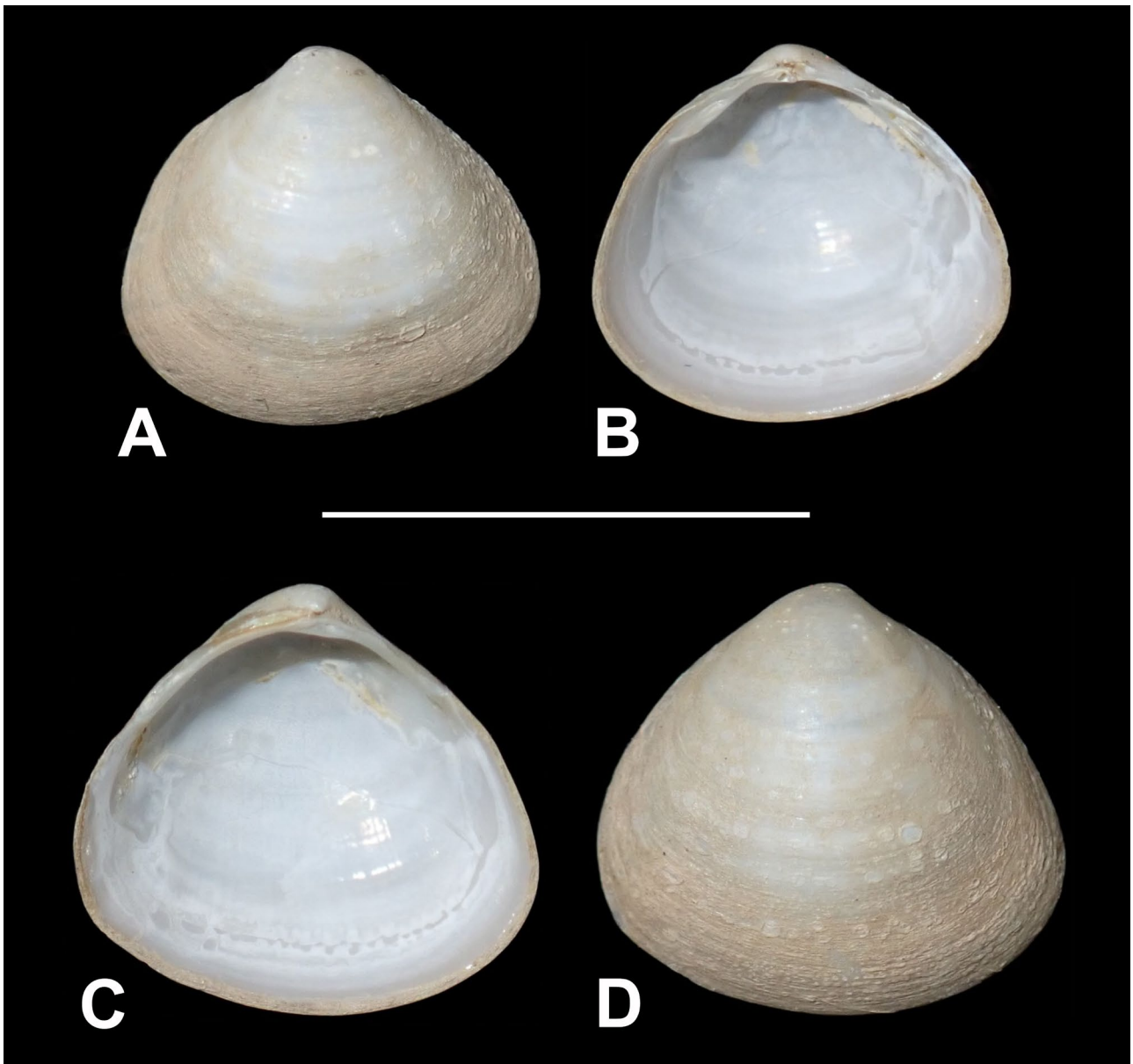


Fig. 1. *Pinguitellina* aff. *cycladiformis* (ZRC.MOL.28654) from Lim Chu Kang, Singapore; shell length 8.7 mm (A, B), 9.1 mm [C, D]). A, exterior of left valve; B, interior of right valve; C, interior of left valve; D, exterior of right valve. Scale bar 10 mm (Photographs by: Tan Siong Kiat).