

Biodiversity Record: The iravadiid snail, *Pseudomerelina mahimensis*, in Singapore

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Subjects: Mahim iravadiid snail, *Pseudomerelina mahimensis* (Mollusca: Gastropoda: Iravadiidae).

Subjects identified by: Chan Sow-Yan and Lau Wing Lup.

Location, date and time: Singapore Island, Changi Beach Park; 25 January 2020; around 1730 hrs.

Habitat: Estuarine shore, on sandy-silt substrate, exposed at morning low tide.

Observers: Chan Sow-Yan and Lau Wing Lup.

Observation: One example of about 3 mm in shell height was observed alive and attached to the shell of a live window-pane oyster, *Placuna placenta* (Figs. 1, 2).

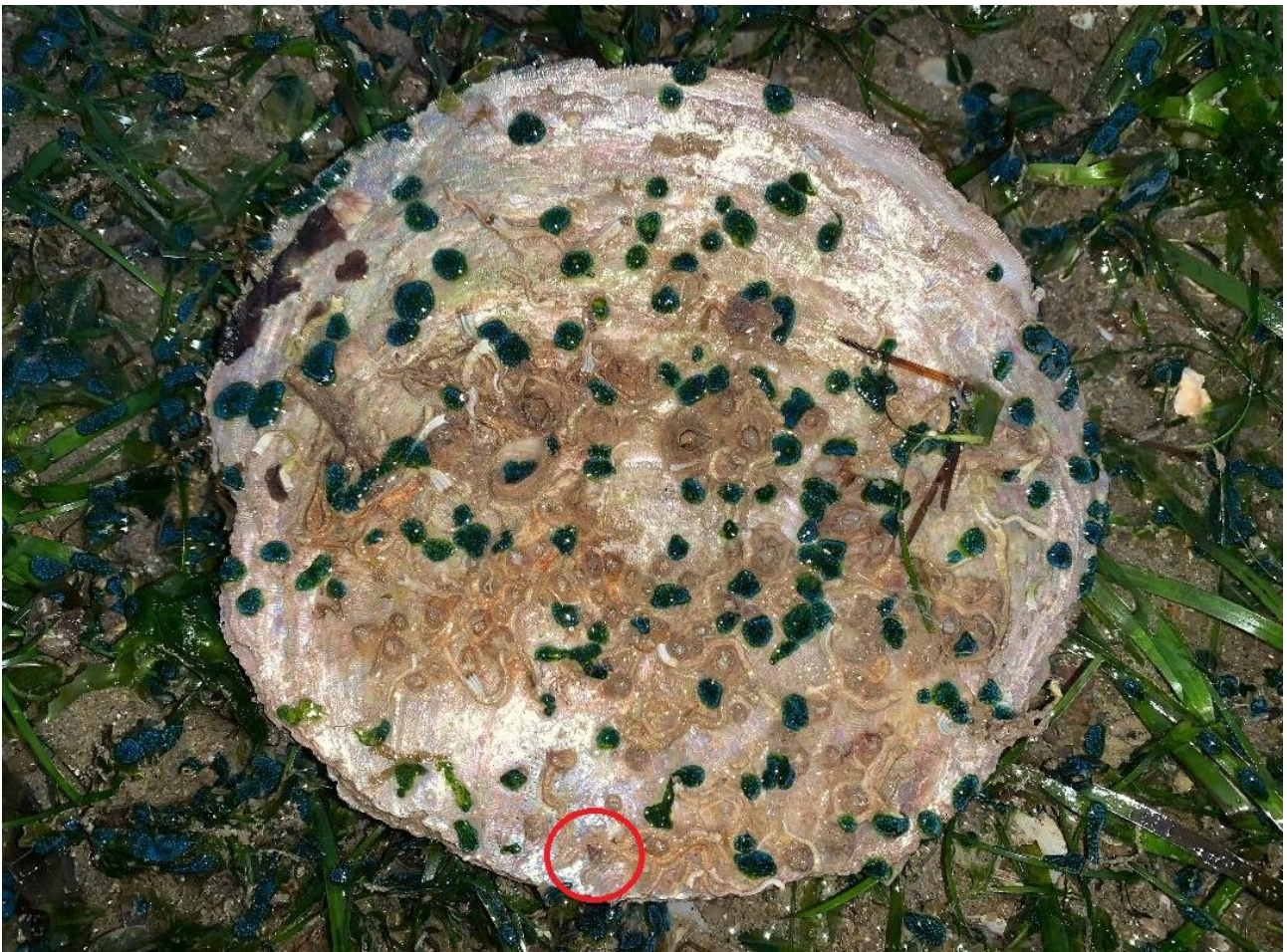


Fig. 1. A live *Pseudomerelina mahimensis* in situ (circled in red) on the surface of a live *Placuna placenta*. (Photograph by: Lau Wing Lup).



Fig. 2. Close-up of the *Pseudomerelina mahimensis* in situ. (Photograph by: Lau Wing Lup).

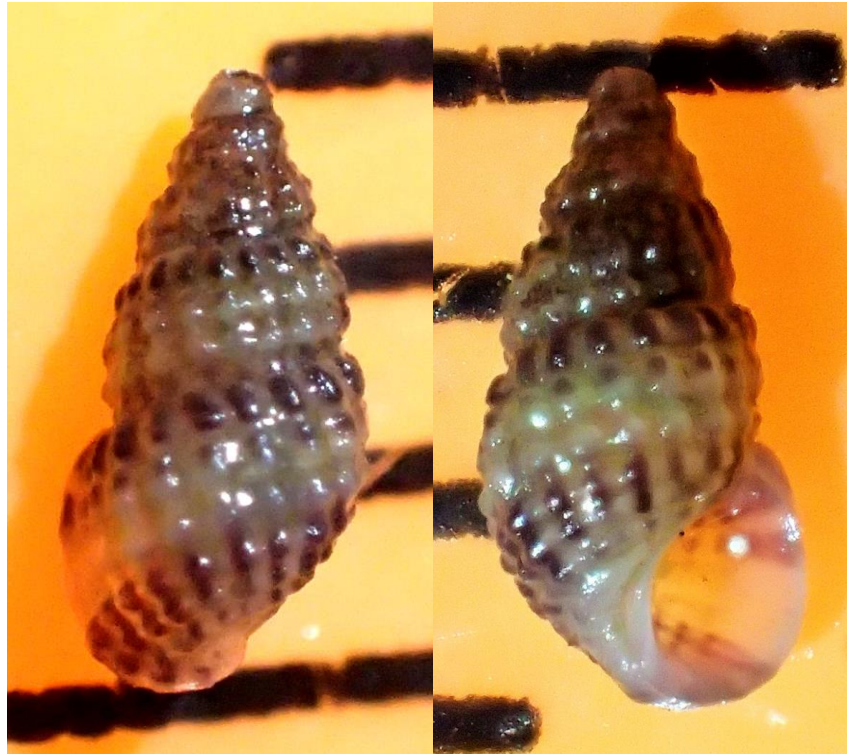


Fig. 3. Dorsal (left) and apertural (right) views of a *Pseudomerelina mahimensis* shell. Note the brown spiral bands. Space between black bars = 1 mm. (Photographs by: Lau Wing Lup).

Remarks: Although *Pseudomerelina mahimensis* was recorded in Singapore by Ponder (1984), it is not listed in the country's checklist by Tan & Woo (2010). This small species is often overlooked, but the authors had earlier encountered 14 live examples in a canal at East Coast Park on 18 August 1996. The individuals were found at high tide under a rusty piece of metal among debris and rocks. *Pseudomerelina mahimensis* is distinguishable from its congeners by the brownish spiral bands on its shell above and below the suture (Fig. 3; see Golding, 2014).

Literature cited:

- Golding RE (2014) Molecular phylogeny and systematics of Australian 'Iravadiidae' (Caenogastropoda: Truncatelloidea). *Molluscan Research*, 34: 222–257.
- Ponder WF (1984) A review of the genera of the Iravadiidae (Gastropoda: Rissoacea) with an assessment of the relationships of the family. *Malacologia*, 25: 21–71.
- Tan SK & Woo HPM (2010) A Preliminary Checklist of the Molluscs of Singapore. Raffles Museum of Biodiversity Research, National University of Singapore, Singapore, 78 pp.