

## New Singapore record of the assiminiid snail, *Sculptassiminea microsculpta*

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**Subjects:** Micro-sculptured assiminiid, *Sculptassiminea microsculpta* (Mollusca, Gastropoda, Assimineidae).

**Subjects identified by:** Chan Sow-Yan.

**Location, date and time:** Singapore Island, Pasir Ris, Sungei Api Api, 25 May 2019, 1400-1600 hrs.

**Habitat:** Mangrove. In back mangrove at low tide.

**Observer:** Lau Wing Lup.

**Observation:** A few examples (see accompanying picture) were found crawling on decaying mangrove tree leaves and twigs.

**Remarks:** *Sculptassiminea microsculpta* (type species of *Sculptassiminea*) was described from Port Canning, Calcutta, India by Nevill (1880). It is known from Peninsular Malaysia, Bangladesh, Thailand, Sumatra and Java (see Brandt, 1974; Maassen, 2001).

Maassen (2001) listed ‘? *Assiminea spiralis*’ from Singapore obviously aware that the material may not be conspecific with *Assiminea* (*Sculptassiminea*) *spiralis* described by Brandt (1974) from Thailand. In comparison, *Sculptassiminea microsculpta* has a stouter shell that is ornamented with heavy reticulate sculptures down to its umbilicus (see accompanying picture). There is a possibility that Maassen’s material may actually be *Sculptassiminea microsculpta*, but without description or illustration, and voucher specimen, this cannot be ascertained. Therefore, the subjects here are the basis for recognising *Sculptassiminea microsculpta* as a new record for Singapore (see Tan & Woo, 2010). Future investigations are likely to find this snail to be more widespread in Singapore’s back mangroves.



Shells of *Sculptassiminea microsculpta* of 1.8 - 2.3 mm ex-situ showing the diagnostic heavy reticulate sculptures. Photograph by Lau Wing Lup

### References:

- Brandt, R. A. M., 1974. The non-marine aquatic mollusca of Thailand. *Archiv für Molluskenkunde*. 105 (1/4): 1-423, pls. 1-30.
- Maassen, W. J. M., 2001. A preliminary checklist of the non-marine molluscs of West-Malaysia. "A handlist". *De Kreukel*. Extra Editie 2001. 155 pp., 37 figs., 1 map.
- Nevill, G. 1880. New species of brackish-water mollusks. *The Journal of the Asiatic Society of Bengal, Part II*. 49 (3): 159-166.
- Tan S. K. & H. P. M. Woo, 2010. *A Preliminary Checklist of the Molluscs of Singapore*. Raffles Museum of Biodiversity Research, National University of Singapore, Singapore. 78 pp.