

# Unrecorded Pulmonate Snail, *Onchidium hongkongensis* (Systellommatophora, Onchidiidae) from Korean Waters

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## ABSTRACT

Pulmonate snail, *Onchidium hongkongensis* from muddy flat of Muan-gun was recorded as new to the Korean molluscan fauna. Shell-less body light-gray or reddish-gray in colour, oval shaped with numerous pustules on dorsal surface usually covered with mud. Black pair of tentacles with terminal eyes. Including the new record in this study, the family Onchidiidae 2 genera and 2 species in the Korean waters.

**Key words:** *Onchidium hongkongensis*, Pulmonate snail

## INTRODUCTION

Onchidiid snails are mostly marine and live in the upper intertidal zone, either in rocky, sandy or muddy habitat, including mangroves (Dayrat, 2009). These animals are found in all oceans but most numerous in the oceans of the triangle formed by the Andamans, the Philippines and the New Caledonia (Solem, 1959). There is only one genera *Onchidella* recognized in Korea (Kil *et al.*, 2005).

The genus *Onchidium* consist of 28 species reported from Asia (Singapore, Palau, Indonesia, Vietnam, Myanmar, India, China, Japan), Africa (South Africa, Galapagos), North America (USA, Canada), South America (Chile), Europe (Italy, France, Mediterranean, Red Sea), and Australia (Dayrat, 2009). In this study the unrecorded *Onchidium hongkongensis* discovered on the muddy flat in Muan-gun is described.

## SYSTEMATIC ACCOUNTS

Class Gastropoda Cuvier, 1797 복족강

Subclass Pulmonata Cuvier, 1817 유폐아강  
Order Systellommatophora Pilsbry, 1948 수병안목  
Family Onchidiidae Rafinesque, 1815 갯민달팽이과 (개칭)  
Genus *Onchidium* Buchanan, 1800 두꺼비갯민달팽이속 (신칭)

***Onchidium hongkongensis* Britton, 1984** 두꺼비갯민달팽이 (신칭, Fig. 1).

*Onchidium hongkongensis* Britton, 1984, p. 188, fig. 6; Jensen, 1992, p. 705; Walthew, 1995, p. 338; Okutani, 2000, p. 811.

**Type locality.** Hong Kong (China).

**Material examined.** 9 individuals, 20 July 2007; 3 individuals, 19 April 2009, Chonggye-myeon, Muan-gun, Jeollanam-do (34°55'N, 126°23'E).

**Measurement.** 46 mm in length; 31 mm in width.

**Description.** Small sized, shell-less notum elliptical outlined, dorsal side convex and ventral side flat, light-gray or reddish-gray in color. Notum thickly covered with numerous pustules from minute granules to large protuberances. Some tubercles have dorsal eye singly. Pair of tentacles black, long with shrinkable terminal eyes. Foot medially situated, elongated, gray-colored, outer margin surrounded by hyponotum. Mouth placed between pair of labial palp of dark gray in color. Pulmonary aperture opens end of postero-ventral region. Male genital pore opens

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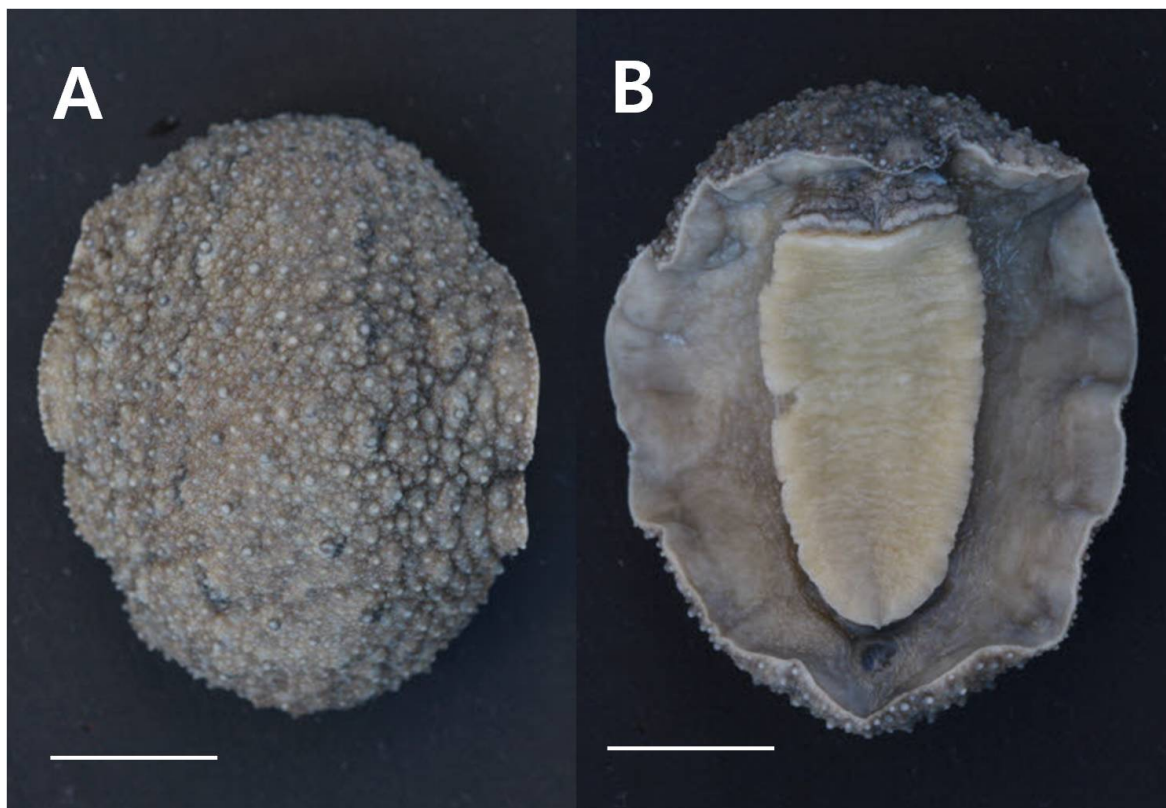


Fig. 1. *Onchidium hongkongensis*. A. Dorsal view; B. Ventral view, Scale Bar = 10 mm.

below of the right tentacle, female genital pore opens right side of pulmonary aperture.

**Habitat.** Burrowing into the muddy flat about 15 cm deep.

**Distribution.** Korea, China, Japan.

**Remark.** This species commonly confused with *Peronia verruculata*. But *P. verruculata* have gill trees on the postero-dorsal side and live in the rocky intertidal zone (Awati and Karandicar, 1940).

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