

December 03-04, 2018
Rome, Italy

Shun-Hung Wu, J Mar Biol Oceanogr 2018, Volume 7
DOI: 10.4172/2324-8661-C2-013

Study sea slug's biodiversity and distribution in Penghu Southern Four Islands National Park of Taiwan

Shun-Hung Wu

National Kaohsiung University of Science and Technology, Taiwan



Background: The Penghu Southern Four Islands National Park (PSFLNP) of the marine national park management office of Taiwan is independent of the world. Without over-exploitation, its marine ecology maintains a natural; low-pollution environment.

Purpose: The aim of this study was to investigate the sea slug's biodiversity and distribution in PSFLNP.

Methods: Fourteen 50 m*20 m bio phase areas were selected, visual strip-transects and GPS positioning were applied to search the species, body length and numbers. All the data were recorded and identification. Plymouth routines in Multivariate Ecological Research software was used to analyze the distribution.

Results: These surveys were found 5 orders, 22 families and 95 species, 72 species accounted for effective species and 23 species accounted of unknown species, body length between 3 mm and 150 mm, numbers from 1 to 20.

Conclusion: The study indicated that the sea slug's biodiversity and distribution are very high in PSFLNP, especially in reef cliff areas, 26 degrees seawater temperature and 8-17 m depth.

Recent Publications

1. Aerts L (1994) Seasonal distribution of nudibranchs in the southern delta area, S.W. Netherlands. *Journal of Mollusca Studies* 60:129-139.
2. McCuller M I (2012) The influence of abiotic and biotic factors on two nudibranchs feeding upon *Membranipora membranacea* in the Southern Gulf of Maine. *Masters Abstracts International*, 51, 84.
3. Feng M, Weller E and Hill K (2009) The Leeuwin Current, In a marine climate change impacts and adaptation report card for Australia 2009. CSIRO Marine and Atmospheric Research, NCCARF Publication 05/09.
4. Yu-Huai Wang (2014) Observations of Oceanic and Benthic Types in the Four islands of Southern Penghu. Marine National Park Headquarters, Taiwan.
5. Yen-Wei Chang (2012) Study on the biodiversity of opisthobranchs in Taiwan and adjacent islands. Institute of marine biology national Sun Yat-Sen university doctoral Dissertation, Taiwan.

Biography

Shun-Hung Wu is a very famous sea slug researcher in Taiwan, expertise in SCUBA diving, teaching, marine ecological survey, he published *Beauty Taiwan Ecological picture appreciation-nudi* book in 2008 and participated several research and survey more than 20 years. In 2015, he studied in NKUST, focus on sea slug's biodiversity study and continue to protect the natural ecological habitat of sea, promote diving related activities.

sunghung3rd@yahoo.com.

