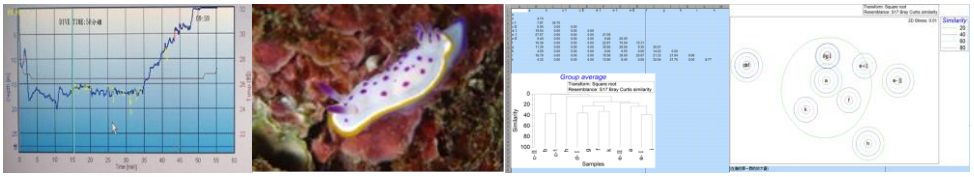
Study Sea Slugs Biodiversity and Distribution in Penghu Southern Four Islands National Park of Taiwan

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Abstract

The Penghu Southern Four Islands National Park (PSFLNP) of the marine national park management office of Taiwan is independent from 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 slugs biodiversity and distribution in PSFLNP. Methods: Fourteen 50M * 20M 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 (Clarke and Warwick, 2001) was used to analysis 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 3mm and 150mm, numbers from 1 to 20. Conclusion: The study indicated that the sea slugs biodiversity and distribution are very high in PSFLNP, especially in reef cliff areas, 26 degrees seawater temperature and 8-17M depth.

Image:



Recent Publications (minimum 5)

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., Hill, K. (2009). The Leeuwin Current, In a marine climate change impacts and adaptation report card for Australia 2009. CSIRO Marine and Atomospheric 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 opisthobranches in Taiwan and adjacent islands. Institute of marine biology national Sun Yat-Sen university doctoral Dissertation, Taiwan.



Biography (150-word limit)

Sung-Hung Wu is a very famous sea slugs 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 slugs biodiversity study and continue to protect the natural ecological habitat of sea, promote diving related activities.

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Notes/Comments