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Volume 96, November 2013, Pages 19-24

Status and changing patterns on coral reefs in Thailand during the last two decades

Niphon Phongsuwan [a], Anchalee Chankong [b], Chaimongkol Yamarunpatthana [a], Hansa Chansang [a], Ronnawon Boonprakob [b], Padorn Petchkumnerd [c], Nalinee Thongtham [a], Sathika Paokantha [a], Thanongsak Chanmethakul [a], Patoon Panchaiyapoom [a], On-Anong Bundit [c]

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Abstract

A long-term survey on monitoring coral reef status using the Manta-tow technique has been carried out over approximately two decades in Thailand. This paper presents results of the survey from three off-shore areas (north, central and south) in the Andaman Sea (since 1988) and from the two near-shore areas and one off-shore area in the Gulf of Thailand (GoT, since 1995). The results revealed variations in the change of live coral cover over time between different locations. Natural and direct/indirect man-made disturbances have influenced these changes. Until early 2010, reefs in the Andaman Sea were in better condition than those in the Gulf of

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1 Microbiomes of Healthy and Bleached Corals During a 2016 Thermal Bleaching Event in the Upper Gulf of Thailand
Kusdianto, H; Kullapanich, C; (...); Somboonna, N
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Global warming has caused elevated seawater temperature and coral bleaching, including events on shallow reefs in the upper Gulf of Thailand (uGoT). Previous studies have reported an association between loss of zooxanthellae and coral bleaching. However, studies on the microbial diversity of prokaryotes and eukaryotes (microbiome) as coral hol... Show more
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A symbiosis of bacterial community (sometimes called microbiota) play essential roles in developmental life cycle and health of coral, starting since a larva. For examples, coral bacterial holobionts function nitrogen fixation, carbon supply, sulfur cycling and antibiotic production. Yet, a study of the dynamic of bacteria associated coral larvae developmer... Show more
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