

# Coral Reefs

## Volume 37 Number 1

### Contents

---

#### Report

Contact with turf algae alters the coral microbiome: contact versus systemic impacts  
Zoe A. Pratte, Guilherme O. Longo, Andrew S. Burns, Mark E. Hay & Frank J. Stewart

#### Report

Parasite infestation increases on coral reefs without cleaner fish  
A. S. Grutter, M. De Brauwer, R. Bshary, K. L. Cheney, T. H. Cribb, E. M. P. Madin, E. C. McClure, M. G. Meekan, D. Sun, R. R. Warner, J. Werninghausen & P. C. Sikkel

#### Note

Exploring variable patterns of density-dependent larval settlement among corals with distinct and shared functional traits  
Christopher Doropoulos, Luis A. Gómez-Lemos & Russell C. Babcock

#### Note

Complete and rapid reversal of the body color pattern in juveniles of the convict surgeonfish *Acanthurus triostegus* at Moorea Island (French Polynesia)  
Marc Besson, Pauline Salis, Vincent Laudet & David Lecchini

#### Report

Reef-scale modeling of coral calcification responses to ocean acidification and sea-level rise  
Takashi Nakamura, Kazuo Nadaoka, Atsushi Watanabe, Takahiro Yamamoto, Toshihiro Miyajima & Ariel C. Blanco

#### Report

Recovery of coral cover in records spanning 44 yr for reefs in Kāneʻohe Bay, Oaʻhu, Hawaiʻi  
John Stimson

#### Report

Increased temperature mitigates the effects of ocean acidification on the calcification of juvenile *Pocillopora damicornis*, but at a cost  
Lei Jiang, Fang Zhang, Ming-Lan Guo, Ya-Juan Guo, Yu-Yang Zhang, Guo-Wei Zhou, Lin Cai, Jian-Sheng Lian, Pei-Yuan Qian & Hui Huang

#### Report

Benthic habitat and fish assemblage structure from shallow to mesophotic depths in a storm-impacted marine protected area  
Rene A. Abesamis, Tim Langlois, Matthew Birt, Emma Thillainath, Abner A. Bucol, Hazel O. Arceo & Garry R. Russ

#### Note

Strong homing does not predict high site fidelity in juvenile reef fishes  
Robert P. Streit & David R. Bellwood

Report

Multiscale change in reef coral species diversity and composition in the Tropical Eastern Pacific  
Catalina G. Gomez, Andrew Gonzalez & Hector M. Guzman

Report

Acoustic and biological trends on coral reefs off Maui, Hawaii  
Maxwell B. Kaplan, Marc O. Lammers, Eden Zang & T. Aran Mooney

Report

Mesopredator trophodynamics on thermally stressed coral reefs  
Tessa N. Hempson, Nicholas A. J. Graham, M. Aaron MacNeil, Andrew S. Hoey & Glenn R. Almany

Report

Symbiont shuffling linked to differential photochemical dynamics of Symbiodinium in three  
Caribbean reef corals  
Ross Cunning, Rachel N. Silverstein & Andrew C. Baker

Reef Site

Camouflage of sea spiders (Arthropoda, Pycnogonida) inhabiting *Pavona varians*  
S. Montano & D. Maggioni

Reef Site

Breakdown in assortative mating leads to hybrid swarm in pygmy angelfishes  
J. P. A. Hobbs, J. D. DiBattista & T. H. Sinclair-Taylor

Report

Investigation of trophic ecology in Newfoundland cold-water deep-sea corals using lipid class and  
fatty acid analyses  
Flora Salvo, Dounia Hamoutene, Vonda E. Wareham Hayes, Evan N. Edinger & Christopher C. Parrish

Report

Effects of thermal stress and nitrate enrichment on the larval performance of two Caribbean reef  
corals  
Xaymara M. Serrano, Margaret W. Miller, James C. Hendee, Brittany A. Jensen, Justine Z. Gapayao,  
Christina Pasparakis, Martin Grosell & Andrew C. Baker

Note

Population connectivity of the plating coral *Agaricia lamarcki* from southwest Puerto Rico  
Nicholas M. Hammerman, Ramon E. Rivera-Vicens, Matthew P. Galaska, Ernesto Weil, Richard S.  
Appeldoorn, Monica Alfaro & Nikolaos V. Schizas

Note

Spatial patterns of cryptobenthic coral-reef fishes in the Red Sea  
Darren J. Coker, Joseph D. DiBattista, Tane H. Sinclair-Taylor & Michael L. Berumen

Report

Mesophotic coral-reef environments depress the reproduction of the coral *Paramontastraea peresi*  
in the Red Sea  
Bar Feldman, Tom Shlesinger & Yossi Loya

Report

Hypoxia tolerance in coral-reef triggerfishes (Balistidae)

Corrie C. Wong, Jeffrey C. Drazen, Chatham K. Callan & Keith E. Korsmeyer

Report

The influence of micro-topography and external bioerosion on coral-reef-building organisms:

recruitment, community composition and carbonate production over time

Jennie Mallela

Report

Clonal structure and variable fertilization success in Florida Keys broadcast-spawning corals

M. W. Miller, I. B. Baums, R. E. Pausch, A. J. Bright, C. M. Cameron, D. E. Williams, Z. J. Moffitt & C. M.

Woodley

Reef Site

Unusual caudal spines in the surgeonfish *Zebrasoma scopas*

S. B. Tebbett & D. R. Bellwood

Report

The effect of local hydrodynamics on the spatial extent and morphology of cold-water coral habitats at Tisler Reef, Norway

L. H. De Clippele, V. A. I. Huvenne, C. Orejas, T. Lundälv, A. Fox, S. J. Hennige & J. M. Roberts

Report

Long-term growth rates and effects of bleaching in *Acropora hyacinthus*

Zachary Gold & Stephen R. Palumbi

Empirical article

The relative importance of regional, local, and evolutionary factors structuring cryptobenthic coral-reef assemblages

Gabby N. Ahmadi, Luke Tornabene, David J. Smith & Frank L. Pezold

Report

Super instrumental El Niño events recorded by a *Porites* coral from the South China Sea

Xijie Wang, Wenfeng Deng, Xi Liu, Gangjian Wei, Xuefei Chen, Jian-xin Zhao, Guanqiang Cai & Ti Zeng

Report

*Stylophora pistillata* in the Red Sea demonstrate higher GFP fluorescence under ocean acidification conditions

Mila Grinblat, Maoz Fine, Yaron Tikochinski & Yossi Loya