

In this issue

Kathryn M. Schoenrock, Charles D. Amsler, James B. McClintock and Bill J. Baker

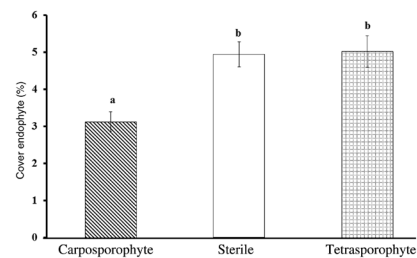
Life history bias in endophyte infection of the Antarctic rhodophyte, *Iridaea cordata*

DOI 10.1515/bot-2014-0085

Botanica Marina 2015; 58(1): 1–8

Research article: Populations of *Iridaea cordata* along the western Antarctic Peninsula show differential presence of pathogenic filamentous algal endophytes between life history stages; carposporophytes have significantly less endophyte cover than tetrasporophytes and unfertilized gametophytes.

Keywords: Antarctica; endophyte; *Iridaea cordata*; life history; symbioses.



Sergio Escobar-Morales and David U. Hernández-Becerril

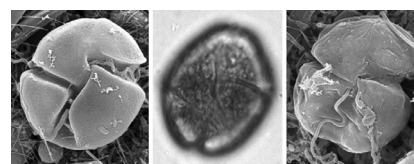
Free-living marine planktonic unarmoured dinoflagellates from the Gulf of Mexico and the Mexican Pacific

DOI 10.1515/bot-2014-0049

Botanica Marina 2015; 58(1): 9–22

Research article: A total of 25 species of marine planktonic unarmoured dinoflagellates were identified from coasts of the Gulf of Mexico and the Mexican Pacific, using light and scanning electron microscopy; seven new records are annotated for the Mexican Pacific including *Karenia* and *Karlodinium* species.

Keywords: Gulf of Mexico; Mexican Pacific; new records; phytoplankton; unarmoured dinoflagellates.



Zakaria A. Mohamed and Abdulrahman M. Al-Shehri

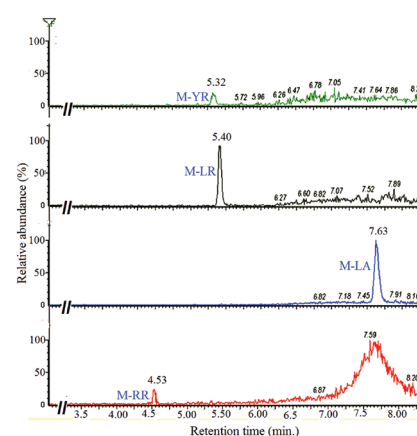
Biodiversity and toxin production of cyanobacteria in mangrove swamps in the Red Sea off the southern coast of Saudi Arabia

DOI 10.1515/bot-2014-0055

Botanica Marina 2015; 58(1): 23–34

Research article: Cyanobacteria in Red Sea mangroves can produce different variants of microcystin toxins, including hydrophilic and hydrophobic ones. These toxins may pose toxicological risks to marine organisms and may accumulate in seafood, thereby potentially poisoning human consumers.

Keywords: biodiversity; cyanobacteria; mangroves; microcystins; saxitoxins.



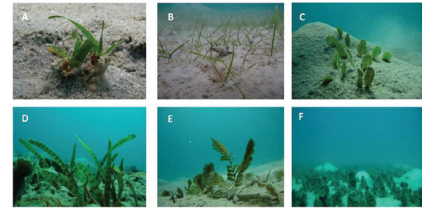
Megan I. Saunders, Elisa Bayraktarov,
Chris M. Roelfsema, Javier X. Leon,
Jimena Samper-Villarreal, Stuart R.
Phinn, Catherine E. Lovelock and Peter
J. Mumby

**Spatial and temporal variability
of seagrass at Lizard Island, Great
Barrier Reef**

DOI 10.1515/bot-2014-0060
Botanica Marina 2015; 58(1): 35–49

Research article: A descriptive
study of spatial and temporal
patterns of seagrass distribution,
shoot density, leaf area index,
biomass, productivity, and sediment
carbon content in 0–5 m water
depth at Lizard Island, Great Barrier
Reef, Australia in 2011–2012.

Keywords: benthic habitat mapping;
Halodule uninervis; remote sensing;
seagrass change analysis; *Thalassia
hemprichii*.



Vasileios Gerakaris and Konstantinos
Tsiamis
**Sexual reproduction of the Lessepsian
seagrass *Halophila stipulacea* in the
Mediterranean Sea**

DOI 10.1515/bot-2014-0091
Botanica Marina 2015; 58(1): 51–53

Short communication: Fertile plants
of *Halophila stipulacea* bearing
fruits are reported for the second
time from the Mediterranean Sea,
close to the plant's northernmost
limit of its Aegean Sea distribution,
suggesting a possible response to
the warming of the Mediterranean
Sea.

Keywords: Aegean; *Halophila
stipulacea*; Lessepsian;
Mediterranean; sexual reproduction.

