

Special Issue

Climate-Change-Related Impacts on Marine Benthic Primary Producers

Message from the Guest Editors

Climate change and related threats are directly affecting marine benthic ecosystems worldwide, altering the abundance, distribution, and productivity of their communities. In this context, understanding how accelerating environmental change will affect biodiversity and ecosystem functioning is crucial for implementing effective management actions for natural systems. For this, experimentally generated datasets, based on empirical data about the responses of different species and species assemblages of benthic primary producers, are very useful for predicting the impacts of environmental change and for implementing adequate conservation actions. This Special Issue welcomes contributions related to all aspects of global change effects on benthic primary producers (e.g., seagrasses, macroalgae, corals), including aspects related to their biology, geology, ecology, physiology, molecular biology, microbiology, chemical ecology, taxonomy, species interactions, and biogeography. Contributions addressing reviews and meta-analyses of reported climate change responses of these organisms are encouraged.

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