Special Issue

Climate Impacts on Marine Biodiversity across Space and Time

Message from the Guest Editor

Anthropogenic climate change is affecting marine ecosystems worldwide. Although coastal areas are among the most ecologically and economically important ecosystems of the planet, they are also the most impacted by the combined effects of climate and anthropogenic forcing. As major consumers of primary production and detrital organic matter, zooplankton species play a pivotal role in the functioning of marine ecosystems: they mediate biogeochemical cycles and are a keystone link within the pelagic food web. As a consequence, zooplankton species are known to mirror ecosystems' conditions, and modifications in community composition, structure, and/or abundance are often related to rapid and major alterations in ecosystem structure. This Special Issue aims to investigate the impacts of climate and environmental changes on zooplankton species and possible cascading effects on higher trophic levels. We welcome original research, reviews, method papers, commentaries providing experimental evidence of these changes as well as modelling studies which aim to predict the future impacts of climate change.

Guest Editor

Dr. Eric Goberville

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Deadline for manuscript submissions

closed (31 December 2022)

Climate

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 5.7

mdpi.com/si/65532

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About the Journal

Message from the Editor-in-Chief

Climate (ISSN 2225-1154) was established in 2013 to provide an open-access outlet for innovative research, review articles, new direction papers, and short communications relevant to all disciplines related to climate at all scales. The journal encourages papers ranging from climate change detection and attribution and Earth system modeling to ecosystem, hydrologic, and socioeconomic impacts and climate mitigation and adaptation measures. The influence of *Climate* is strong and growing (IF 3.2 in 2024, CiteScore 5.7 in 2024).

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