

Special Issue

Marine Microorganisms in a Changing Ocean: From Single Species to Community Responses

Message from the Guest Editors

This Special Issue will provide a collection of articles that display how these microorganisms respond to global change as well as the mechanisms intrinsic to the equilibrium between phytoplankton CO₂ fixation into organic carbon, surface ocean remineralization of organic matter, and the transport of organic carbon into the deep ocean. As guest editors of this Special Issue we, Joana Barcelos e Ramos and Susana C. Ribeiro, invite you to submit research and review articles, as well as short communications that focus on the effects of global change on marine microorganisms, from the understanding of the mechanisms behind the observed responses to the diversity and functioning of plankton communities. Research areas may include (but are not limited to) the following: CO₂ effects; ocean acidification; global warming; marine phytoplankton; marine bacteria; marine plankton communities; biogeochemical feedbacks. We look forward to receiving your contributions.

Guest Editors

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Deadline for manuscript submissions

closed (28 February 2025)



Microorganisms

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Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed



mdpi.com/si/161264

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About the Journal

Message from the Editor-in-Chief

"Microorganism" merges the idea of the very small with the idea of the evolving reproducing organism is a unifying principle for the discipline of microbiology. Our journal recognizes the broadly diverse yet connected nature of microorganisms and provides an advanced publishing forum for original articles from scientists involved in high-quality basic and applied research on any prokaryotic or eukaryotic microorganism, and for research on the ecology, genomics and evolution of microbial communities as well as that exploring cultured microorganisms in the laboratory.

Editor-in-Chief

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JCR - Q2 (Microbiology) / CiteScore - Q1 (Microbiology (medical))

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manuscripts are peer-reviewed and a first decision is provided to authors approximately 15.2 days after submission; acceptance to publication is undertaken in 2.9 days (median values for papers published in this journal in the first half of 2025).