



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

Guest Editors:

**Dr. Joana Barcelos e Ramos**

Group of Climate, Meteorology and Global Change, IITAA, University of the Azores, Rua Capitão d'Ávila, São Pedro, 9700-042 Angra do Heroísmo, Portugal

**Dr. Susana Isabel Chaves Ribeiro**

Institute of Agricultural and Environmental Research and Technology (IITAA), University of the Azores, Angra do Heroísmo, Portugal

Deadline for manuscript submissions:

**15 August 2024**

### 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 CO<sub>2</sub> 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:

CO<sub>2</sub> effects; ocean acidification; global warming; marine phytoplankton; marine bacteria; marine plankton communities; biogeochemical feedbacks

We look forward to receiving your contributions.

Dr. Joana Barcelos e Ramos

Dr. Susana Isabel Chaves Ribeiro

*Guest Editors*





an Open Access Journal by MDPI

## Editor-in-Chief

### Dr. Nico Jehmlich

Department of Molecular  
Systems Biology, UFZ-Helmholtz  
Centre for Environmental  
Research, 04318 Leipzig,  
Germany

## 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.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, PubAg, CAPlus / SciFinder, AGRIS, and other databases.

**Journal Rank:** JCR - Q2 (*Microbiology*) / CiteScore - Q2 (*Microbiology (medical)*)

## Contact Us

*Microorganisms* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/microorganisms](http://mdpi.com/journal/microorganisms)  
[microorganisms@mdpi.com](mailto:microorganisms@mdpi.com)  
X@Micro\_MDPI