Special Issue

Climate Warming and Eutrophication on Phytoplankton Ecology: Effects and Restoration

Message from the Guest Editors

Areas of interest for this Special Issue will include (but are not limited to) the following:

- How climate warming and eutrophication interact to shape phytoplankton ecology, functional traits and diversity in freshwater ecosystems;
- How trophic interactions of phytoplankton with other trophic levels are shaped by climate warming and eutrophication;
- Long-term monitoring studies on phytoplankton dynamics under varying thermal and nutrient conditions;
- Studies in environments with perennial harmful algal blooms, including records of phytotoxins and other less-reported metabolites;
- Modeling studies on future scenarios of climate and nutrient impacts;
- Mitigating treatments for eutrophication and HABs.

We hope that this Special Issue will be able to address pressing environmental challenges affecting freshwater ecosystems worldwide, supporting lake management, eutrophication control, and climate adaptation strategies.

Guest Editors

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Dr. Vanessa Becker

Dr. Luciana Rangel

Deadline for manuscript submissions

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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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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).

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