

# Special Issue

## Interaction Between Microorganisms and Environment

### Message from the Guest Editors

Microorganisms are ubiquitous, found in soil, water, the atmosphere, and within the bodies of animals and plants. They thrive and reproduce in diverse environments, influencing their surroundings through various metabolic activities. Investigating the interactions between microorganisms and their ecological environments—focusing on cells, metabolites, and genetics—can enhance our understanding of how these organisms contribute to environmental sustainability. This Special Issue aims to highlight the latest advancements in understanding the mechanisms of microbial interactions with soil, plants, oceans, and other ecological environments. We sincerely invite submissions of the latest research reviews and original research papers in the field of microbial and environmental interactions related to oceans, soil, and plants. The primary research topics for this Special Issue include the isolation and identification of functional microorganisms, the screening and identification of natural active substances that can enhance the ecological environment, and the mechanisms by which microorganisms improve environmental conditions.

### Guest Editors

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### Deadline for manuscript submissions

30 September 2025



**Microorganisms**

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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.

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### Editor-in-Chief

Dr. Nico Jehmlich

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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).