Special Issue

Microbial Communities in Aquatic Environments

Message from the Guest Editor

This issue encourages investigations into the drivers influencing microbial community composition, such as anthropogenic influences, climate variations, and ecological disturbances. Contributions exploring the biogeochemical processes mediated by aquatic microbes, including nutrient cycling, carbon sequestration, and pollutant degradation, are of particular interest. Furthermore, studies elucidating the connections between microbial diversity, ecosystem resilience, and human activities in aquatic realms are highly valued.

The Special Issue aims to consolidate cutting-edge research, methodologies, and conceptual frameworks that advance our understanding of aquatic microbial communities' significance in sustaining ecosystem services and informing conservation strategies.

Guest Editor

Dr. Bing-Mu Hsu
Department of Earth and Environmental Sciences, National Chung Cheng University, Minxiong, Taiwan

Deadline for manuscript submissions

closed (31 May 2025)

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/si/191338

Microorganisms
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
microorganisms@mdpi.com

mdpi.com/journal/microorganisms

Microorganisms

an Open Access Journal by MDPI

Impact Factor 4.2
CiteScore 7.7
Indexed in PubMed

mdpi.com/journal/microorganisms

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

Dr. Nico Jehmlich
Department of Molecular Toxicology, UFZ-Helmholtz Centre for Environmental Research, 04318 Leipzig, Germany

Author Benefits

High Visibility:

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

Journal Rank:

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

Rapid Publication:

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).

MDPI