

# Special Issue

## Microbial Communities in Aquatic Systems: Diversity and Function

### Message from the Guest Editor

Microorganisms are the most diverse and numerous organisms in the biosphere on our planet. At the same time, the real scale of microbial diversity, their metabolic capabilities, and environmental conditions that affect the development of certain microbial taxa and microbial communities as a whole remain largely unknown. The use of new molecular methods, coupled with traditional microbiological methods, has greatly advanced the study of microbial diversity and the determination of their evolutionary relationships and metabolic pathways. We propose to share the results of your research in the Special Issue "Microbial Communities in Aquatic Systems: Diversity and Function" and to expand our understanding of microbial communities living in different types of aquatic ecosystems, as well as to discuss the functional role of communities and individual taxa in various biotopes and to consider possible mechanisms of functioning under different environmental conditions. We welcome research related to the diversity and to functional role of microbial communities, as well as to elucidation of their relationships with the environment in various types of aquatic ecosystems.

### Guest Editor

Dr. Tamara Ivanovna Zemskaya

Limnological Institute, Siberian Branch of the Russian Academy of Sciences, Irkutsk, Russia

### Deadline for manuscript submissions

closed (31 December 2023)



**Microorganisms**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 4.2**  
**CiteScore 7.7**  
**Indexed in PubMed**



[mdpi.com/si/176502](https://mdpi.com/si/176502)

*Microorganisms*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[microorganisms@mdpi.com](mailto:microorganisms@mdpi.com)

[mdpi.com/journal/  
microorganisms](https://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](https://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).