



## Microbial Communities in Aquatic Systems: Diversity and Function

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)**

### Message from the Guest Editor

Dear Colleagues,

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.





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*)

## Contact Us

---

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

Tel: +41 61 683 77 34  
www.mdpi.com

mdpi.com/journal/microorganisms  
microorganisms@mdpi.com  
X@Micro\_MDPI