



water

an Open Access Journal by MDPI



Aquatic Microbial Ecology: Microbial Diversity, Structuring and Functioning

Guest Editor:

Dr. Alexandra A. Klyukina

Winogradsky Institute of Microbiology, The Federal Research Centre "Fundamentals of Biotechnology", Russian Academy of Sciences, Moscow, Russia

Deadline for manuscript submissions:

closed (31 August 2023)

Message from the Guest Editor

Dear Colleagues,

All aquatic environments are inhabited by a wide range of diverse microorganisms. Microbial communities actively participate in all biogeochemical processes, providing macro- and microelement cycling, and determine the functional potential of ecosystems. Microorganisms play an essential role in relationships with aquatic macroorganisms; however, the mechanisms of their symbiotic interactions are still very poorly understood. Moreover, microbial consortia are a vast source of valuable metabolites for industrial applications; on the other hand, they are also a source of toxins that can affect water quality. Thus, studies into the structure and functional potential of microbial communities are at the cutting edge of a wide spectrum of scientific fields.

[...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/GBH0U91090



[mdpi.com/si/162457](https://www.mdpi.com/si/162457)

Special issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR CNRS/UPS/INPT/IRD, Centre National de la Recherche Scientifique (CNRS), University of Toulouse, Campus ENSAT, Auzeville Tolosane, Toulouse, France

Message from the Editor-in-Chief

In the context of global changes, the sustainable management of water cycles, going from global and regional water cycles to urban, industrial and agricultural water cycles, plays a very important role on the water resources and on their relationships with food, energy, biodiversity, ecosystem functioning and human health. *Water* invites authors to provide innovative original full articles, critical reviews and timely short communications and to propose special issues devoted to new technological and scientific domains and to interdisciplinary approaches of the water cycles. We ensure a critical review process and a quick turnaround between submission and final decision.

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), Ei Compendex, GEOBASE, GeoRef, PubAg, AGRIS, CAPlus / SciFinder, Inspec, and other databases.

Journal Rank: JCR - Q2 (Water Resources) / CiteScore - Q1 (Aquatic Science)

Contact Us

Water Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/water
water@mdpi.com
[X@Water_MDPI](https://twitter.com/Water_MDPI)