

Special Issue

Aquatic Microbial Ecology: Microbial Diversity, Structuring and Functioning

Message from the Guest Editor

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/GBHOU91090

Guest Editor

Dr. Alexandra A. Klyukina

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

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

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR
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