



water



an Open Access Journal by MDPI

Diversity and Dynamics of Microbial Communities in Marine Ecosystems

Guest Editors:

Prof. Dr. Guangyi Wang

Center for Marine Environmental Ecology, School of Environmental Science and Engineering, Tianjin University, Tianjin 300072, China

Dr. Biswarup Sen

Center of Marine Environmental Ecology, School of Environmental Science and Engineering, Tianjin University, Tianjin 300072, China

Prof. Dr. Yaodong He

School of Environmental Science and Engineering, Tianjin University, Tianjin, China

Deadline for manuscript submissions:

closed (31 August 2023)

Message from the Guest Editors

The ocean is the birthplace of life, and its biodiversity far exceeds that of terrestrial organisms. Marine microorganisms have unique characteristics. They not only provide mankind with a wide variety of natural products exhibiting complex chemical composition and specific physiological activities, but also play a significant role in marine environment protection and biogeochemical cycling. Further, with increasing human activities, many pollutants and pathogens enter the coastal oceans, which significantly change the ecology of the local environment. To this end, the development and utilization of marine microbial resources and the protection of the marine environment are of great significance. This Special Issue aims to gather insightful contributions on the diversity and dynamics of microbial communities from coastal to oceanic and from the sea surface to the deep sea, as well as on the impact of riverine inputs, inshore recreational water bodies, and aquaculture on coastal ecosystems.

For further reading, please follow the link to the special issue website at:

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



[mdpi.com/si/114532](https://www.mdpi.com/si/114532)

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 (Water Science and Technology)

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)