



water

an Open Access Journal by MDPI



Microorganisms: Risk Assessment, Fate and Treatment of Aquatic Emerging Contaminants

Guest Editors:

Dr. Xiaochen Huang

School of Agriculture, Sun Yat-Sen University, Shenzhen 518107, China

Dr. Peng Xie

Department of Environmental Science and Engineering, Harbin Institute of Technology, Harbin, China

Deadline for manuscript submissions:

25 July 2024

Message from the Guest Editors

The purpose of this Special Issue is to gather and present a collection of scholarly articles that delve into various aspects of the chosen topic, contributing to the existing literature and advancing technology in this field.

The overall focus of this Special Issue is to explore the risk and treatment technology of aquatic emerging contaminants using microorganisms including algae, bacteria and microalgal–bacterial consortia. Aquatic emerging contaminants may include but are not limited to pollutants, toxins, pharmaceuticals, personal care products, nanomaterials, micro- and nano-plastics, and other chemical substances that have recently been recognized as potential threats to aquatic environments.

The purpose of this Special Issue is to compile cutting-edge research that investigates the impacts of aquatic emerging contaminants on microorganisms, such as physiological and biochemical changes, community dynamics, ecological consequences, and mitigation strategies. In addition, aspects related to the treatment of aquatic emerging contaminants using microorganisms are also encouraged.



mdpi.com/si/181144

Special Issue



water



an Open Access Journal by MDPI

Editor-in-Chief

Dr. Jean-Luc PROBST

Laboratory of Functional Ecology
and Environment, Centre
National de la Recherche
Scientifique (CNRS), University of
Toulouse, Campus ENSAT,
Auzeville Tolosane, 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, St. Alban-Anlage 66
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)