Special Issue

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

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.

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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

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