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Interactions between the Microbial Community and Organic Matter in Aquatic Environments

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Message from the Guest Editors

Dear Colleagues,

In recent years, the increasing amounts of humic substances that have accumulated in water bodies, including organic nitrogen, pharmaceuticals, pesticides, microplastics, per- and polyfluorinated substances have been widely detected in natural watersheds, raising concerns about health and ecological safety. Given the fact that microorganisms are sensitive to such exotic inputs and are exposed to them directly, the interactions between aquatic microorganisms and organic matter are particularly important for our understanding of microbial toxicology, but the fate of these nutrient elements, however, remains insufficiently investigated. This Special Issue aims to deepen our knowledge of the interactions between aquatic microbial communities and organic matter, including, but not limited to, microbial upcycling, transportation, mitigation, community changes, and toxicology. We call for both original research papers of high scientific quality and state-of-the-art review articles within the scope of this Special Issue. [...]

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

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Special Issue



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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.

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