Special Issue

Micropollutants in Aquatic Systems: Migration, Transformation, and Ecotoxicological Impacts

Message from the Guest Editor

This Special Issue is excited to invite contributions that compile cutting-edge research and critical reviews addressing the fate, behavior, and biological effects of micropollutants in aquatic environments. We warmly welcome submissions that explore the following: Migration Pathways and Transport Mechanisms—research focusing on source identification, hydrological transport, sediment-water interactions, and bioaccumulation dynamics across various aquatic compartments. Transformation Processes—studies investigating abiotic and biotic degradation, advanced oxidation processes, photolysis, hydrolysis, along with the formation, persistence, and toxicity of transformation products. Ecotoxicological Impacts—research delving into chronic and sub-lethal effects across different species and trophic levels, mixture toxicity, endocrine disruption, antibiotic resistance, as well as innovative bioassays and biomarker development. Modeling and Risk Assessment—progress in predictive modeling related to fate and exposure, ecological—and human health—risk frameworks, alongside their regulatory implications.

Guest Editor

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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.

Editor-in-Chief

Dr. Jean-Luc PROBST
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