Special Issue

Research on Emerging Pollutants in Aquatic Systems

Message from the Guest Editors

Emerging organic pollutants in aquatic ecosystems, including pharmaceuticals, personal care products, microplastics, PFASs, and antimicrobial resistance (ARM), are increasingly detected in surface and groundwater bodies worldwide. This Special Issue aims to bring together recent advances in the identification, occurrence, fate, and transport of these contaminants across diverse aquatic environments. It also seeks contributions addressing innovative mitigation and treatment approaches, particularly those based on green and sustainable technologies, as well as methodologies for exposure and risk assessment at ecological and human-health levels. Interdisciplinary studies that link chemical analysis, ecological responses, modeling, and regulatory perspectives are especially welcome. Topics of interest include, but are not limited to, the following:

- Occurrence and monitoring of emerging pollutants;
- Fate, transport, and transformation in aquatic systems;
- Nature-based and advanced treatment solutions;
- Risk assessment and ecotoxicology;
- Modeling and prioritization frameworks;
- Policy and management strategies.

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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

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