

Special Issue

Microplastic Pollution and Ecotoxicology in Aquatic Ecosystems

Message from the Guest Editors

Microplastic pollution has become a critical environmental concern, particularly in aquatic ecosystems. This Special Issue seeks to gather the latest research on microplastic contamination and its ecotoxicological effects. This Special Issue aims to provide a platform for interdisciplinary research addressing the sources, transport, degradation, and toxicological impacts of microplastics, as well as innovative solutions for monitoring and mitigating their presence in aquatic ecosystems. Additionally, studies that highlight the role of wastewater treatment plants as contributors and potential mitigators of microplastic pollution are strongly encouraged. Topics of interest include, but are not limited to, the following:

- Sources and pathways of microplastics, including wastewater systems.
- Toxicological impacts of microplastics on marine and freshwater species.
- Microplastic degradation and interaction with other pollutants.
- Novel methods for detecting and quantifying microplastics in aquatic ecosystems.
- Wastewater treatment solutions for reducing microplastic release.
- Policy and regulatory strategies for controlling microplastic pollution.

Guest Editors

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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

Dr. Jean-Luc PROBST

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