# Special Issue

# Aquatic Microplastic Pollution: Occurrence and Removal

## Message from the Guest Editor

Microplastic pollution has emerged as a critical environmental issue, posing potential risks to aquatic ecosystems, biodiversity, and human health. Despite growing research efforts, knowledge gaps remain regarding the sources, transport, transformation, and ultimate fate of microplastics in the aquatic environment. Additionally, the effectiveness of existing removal technologies and the development of innovative strategies for mitigating microplastic pollution in aquatic environments require further exploration. This Special Issue aims to advance our understanding of microplastic occurrence, behavior, and removal techniques in various aquatic environmental compartments, such as freshwater, rivers, estuaries, coasts, and oceans. We welcome original research and review articles on topics such as advanced microplastic detection and quantification, environmental fate and impacts, removal technologies, biodegradation potential, and policy implications. Contributions addressing interdisciplinary approaches and novel solutions for aquatic microplastic pollution management are highly encouraged.

## Guest Editor

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## Deadline for manuscript submissions

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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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