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## Microplastic Pollutants in Aquatic Ecosystems: Present and Future Challenges

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### Message from the Guest Editors

Microplastics (MPs) are becoming a crucial issue in the scientific community due to their persistence in the aquatic and terrestrial environments. It is highly likely that, due to anthropogenic disturbances and the excessive use of MP products, these synthetic plastics will accumulate within freshwater bodies and alter aquatic life. This Special Issue aims to support future research on MP contamination in freshwater ecosystems, and to further present the current knowledge and future climatic risks.

In this Special Issue, we aim to collect original research papers on topics including (but not limited to) the following:

- Methods for microplastic analysis in freshwater bodies;
- Present and future insights related to microplastics in aquatic ecosystems;
- Distribution of microplastics in aquatic environments;
- The effect of microplastics on the occurrence of heavy metal contamination;
- The effects of microplastics on aquatic biodiversity;
- Pragmatic solutions for microplastic accumulation in aquatic environments;
- Microplastics; Heavy metals; Climate change; Groundwater pollution; Modelling and tools; Freshwater ecosystem; Mitigation measures; Occurrence and transport.

Deadline for manuscript submissions:  
**closed (30 November 2023)**



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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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