

## Special Issue

# Microplastic in Wastewater Treatment Plants

### Message from the Guest Editor

Microplastics have received significant attention because of their ubiquitous presence in various environmental compartments worldwide. The wastewater treatment plant has been identified as one of the major sources of microplastics in both aquatic and terrestrial environments. The presence of microplastics in wastewater and sewage sludge has raised concerns about potential risks not only to the receiving ecosystems and biota but to human health. Moreover, microplastics can be fragmented into smaller sizes during treatment processes and therefore can cause nanoplastics to enter the receiving environments. However, our knowledge about the occurrence, fate, and removal of these tiny plastics is still limited. Therefore, more research is needed to better understand the occurrence and fate of micro and nanoplastics in wastewater treatment plants and approaches for sustainable removal and management. This special issue focuses on aspects related to presence, detection, fate, removal technologies and management of micro and nanoplastics in wastewater treatment plants. New techniques for analysis and detection of smaller microplastics and nanoplastics in water and wastewater are welcome.

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### Guest Editor

Dr. Shima Ziajahromi

Australian Rivers Institute, School of Environment and Science, Griffith University, Southport, QLD 4222, Australia

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### Deadline for manuscript submissions

closed (15 January 2023)



## Water

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*Water*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[water@mdpi.com](mailto:water@mdpi.com)

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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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### Editor-in-Chief

Dr. Jean-Luc PROBST

Centre de Recherche sur la Biodiversité l'Environnement (CRBE) UMR  
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