



water

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Microplastic in Wastewater Treatment Plants

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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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Special Issue



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Message from the Editor-in-Chief

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