Special Issue

Micro- and Nano-Plastics and Their Interaction with Other Pollutants in Wastewater Treatment Systems: Monitorization, Management, and Impact on Receiving Waters and Soils

Message from the Guest Editors

Wastewater treatment plants (WWTPs) are an important source of microplastics and nanoplastics in the aquatic environment. In some countries, following circular economy practices, sewage sludge is applied to agricultural soils after being subjected to processes such as lime stabilization or composting. In addition, during wastewater treatment processes, because of their physical and chemical properties such as high hydrophobicity and resistance to degradation, MNPs can interact with other toxic pollutants, including persistent organic pollutants, pharmaceutical, heavy metals, and pathogens. This Special Issue aims to advance the current understanding of the cutting-edge methodologies developed to analyze MNPs and the other organic pollutants or pathogens that they may interact with during wastewater treatments, as well as on their potential impacts in receiving waters and soils.

- micro- and nanoplastic pollution
- plastic additives
- wastewater treament plants
- sewage sludge
- monitorization
- advanced analytical techniques
- ecological and human health risk assessment

Guest Editors

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I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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