



water

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Biodegradation of Persistent Pollutants in Wastewater

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Message from the Guest Editors

Wastewaters generated from different human activities contain persistent, difficult-to-degrade pollutants. These pollutants have a complex molecular structure and are potentially toxic to microbial growth and thus have varying degrees of biodegradability in conventional treatment processes. Persistent pollutants biodegrade partially during wastewater treatment, and their transformation products can be more toxic, more resistant, and more cost-expensive to biodegrade further compared to parent compounds.

This Special Issue is open to papers advancing the field or showing innovative applications in wastewater treatment and reuse. We welcome papers that improve the efficiency of the biodegradation of persistent pollutants and their transformation products, microbial consortia thriving under inhibitory conditions, and the performance and loading rates of wastewater treatment plants under inevitable, persistent pollutant threats. We are also interested in papers that provide new insights into the biodegradation of persistent pollutants in other parts of the urban water cycle and adaptation technologies to the holistic urban wastewater system for enhancing pollutant removal capacity.



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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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