



water

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Innovative Technologies and Approaches for Sustainable Wastewater Treatment and Wastewater Reuse

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Deadline for manuscript submissions:
closed (30 April 2021)

Message from the Guest Editors

The increasing demand for material and energy resources from wastewater management represents a major challenge for public health and economic development. Both wastewater reuse and sludge reduction represent suitable choices to move towards a sustainable approach to integrated urban water management.

However, the current technologies in existing WWTPs are not able to remove huge amounts of “new” pollutants. These compounds could be released in the environment, involving serious effects on aquatic environment and human health. Therefore, advanced technologies have been sought to find solutions supporting sustainable approach in wastewater management.

Authors are invited to submit original research and review articles focusing on this area. Potential topics include but are not limited to the following:

- Recent advances in wastewater treatments;
- Recent advances in membrane-based processes;
- Advanced technologies for wastewater reuse;
- Innovative technologies in wastewater treatment plants to improve resource recovery and to minimize residues;
- Technologies for the removal of contaminants of emerging concern.



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Special Issue



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Editor-in-Chief

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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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