



water



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Low-Carbon Technologies and Digital Solutions for Wastewater Treatment

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Message from the Guest Editors

This Special Issue aims to showcase novel, high-quality, original research articles, as well as review articles, short newsletters and/or letters focused on the decarbonization and digital transformation of wastewater.

Topics of interest include the following:

1. Low-carbon technologies and carbon emission reduction strategies in wastewater treatment and circular economy.
2. The application of digital technology in the sewage treatment process, such as machine learning, intelligent monitoring, big data analysis and artificial intelligence optimization.
3. Energy self-sufficiency and energy conversion technology for sewage treatment plants.
4. Use digital technology to optimize the wastewater treatment process, improve resource utilization efficiency and reduce energy consumption.



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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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