Special Issue

Advanced Wastewater Treatment Technologies with the Potential to Achieve Resource Recycling

Message from the Guest Editors

To ensure the long-term environmental, economic, and social well-being of water resources, conservation and sustainable management require implementing strategies and techniques. This field includes a variety of approaches, including reducing water waste, improving water quality, strengthening water infrastructure, promoting water-efficient technologies, and implementing efficient management procedures. Communities can address water scarcity, mitigate the effects of climate change, protect ecosystems. Given climate change, sustainable practices are necessary to guarantee year-round access to high-quality water. We can produce natural water retention measures that absorb water and delay runoff by restoring the sponge function of soils and wetlands. This lessens the severity of floods and increases water availability during droughts. Accordingly, we invite submission that promote the following topics: 1. Utilization of wetlands and natural sponges; 2. Water reclamation strategies and techniques; 3. Use of technologies for efficient desalination; 4. Climate-resilient water systems; 5. Bioretention techniques for pollution removal.

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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.

Editor-in-Chief

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