Special Issue

Circular Economy and Sustainable Water Treatment

Message from the Guest Editors

The transition towards a circular economy in water treatment is essential for ensuring long-term sustainability and resilience in water resource management. This Special Issue, "Circular Economy and Sustainable Water Treatment", explores innovative strategies, technologies, and policies that promote water reuse, resource recovery, and waste minimization. By integrating circular economy principles, wastewater treatment plants can evolve into resource hubs, extracting valuable materials such as nutrients, bioenergy, and clean water while reducing environmental impact. This Special Issue highlights advancements in green chemistry, nature-based solutions, smart water management systems, and sediment treatment/remediation that contribute to more efficient and sustainable water treatment. Effective sediment remediation plays a crucial role in maintaining water quality, preventing pollutant accumulation, and enhancing ecosystem health, making it an integral part of circular water management strategies.

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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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