

Special Issue

Emerging Technologies for Nutrient Recovery and Wastewater Treatment

Message from the Guest Editors

The increasing global demand for water and sustainable waste management has necessitated the development of innovative technologies for nutrient recovery and wastewater treatment. This Special Issue aims to explore emerging methods that enhance the recovery of valuable nutrients such as nitrogen and phosphorus while improving wastewater purification processes. Recent advances in bioelectrochemical systems, membrane technologies, algae-based systems, wetlands, and microbial fuel cells are reshaping the way we approach water treatment and nutrient recycling. These technologies offer the potential to address environmental concerns, optimize resource recovery, and reduce the operational costs of treatment plants. This Special Issue aims to highlight interdisciplinary approaches, innovative designs, and practical applications across industries, providing insights into scalable solutions for a circular economy. Contributions focusing on, but not restricted to, pilot studies, techno-economic analyses, and real-world applications are particularly encouraged.

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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

Dr. Jean-Luc PROBST

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