

Special Issue

Energy Use Assessment and Management in Wastewater Systems

Message from the Guest Editors

This Special Issue aims to explore innovative approaches, technologies, and strategies for assessing and managing energy consumption in wastewater systems. Topics of interest include, but are not limited to, the following: Assessment of energy use and emissions of wastewater systems; Energy-efficient and carbon neutrality of wastewater treatment systems; Renewable energy integration in wastewater facilities; Advanced monitoring and control systems for energy optimization; Energy recovery in wastewater systems; Lifecycle assessment and techno-economic analysis of energy use; Case studies and best practices in energy management. We invite original research articles, review papers, and case studies that contribute to the advancement of knowledge and practical applications in this field. By bringing together experts from academia and industry, this Special Issue seeks to foster innovative solutions for enhancing the sustainability of wastewater systems worldwide.

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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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