

Special Issue

Application of Microbial Processes-Centered Technologies towards Enhanced and Sustainable Wastewater Treatment

Message from the Guest Editors

As a promising and sustainable technology, biological treatment has been successfully applied as a centerpiece in both centralized and decentralized wastewater treatment facilities to effectively remove impurity and problematic components for recharging water cycles on Earth.

Additionally, benefited from continuously monitoring and collection of data from unit processes, integration of data science with wastewater treatment offers researchers and engineers another powerful tool in their toolkit for achieving effective process control and system optimization.

This Special Issue aims to present the latest findings/results, promising technologies, and valuable practical experience for enhancing the performance of the biological technologies and improving the system sustainability in wastewater treatment. We welcome original and high-quality research articles, short communications, as well as technical perspectives, mini-reviews, and full-length reviews.

Guest Editors

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Dr. Guangbin Li

Dr. Peng Wei

Dr. Liyuan Hou

Deadline for manuscript submissions

closed (31 December 2022)



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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

Prof. Dr. Steve W. Lyon

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