Special Issue

Advancements in Wastewater Biorefineries Towards Carbon Neutrality

Message from the Guest Editors

Wastewater biorefinery aims to produce value-added products in an economically viable process while removing contaminants from water. It bridges the concepts of biorefinery and wastewater treatment to produce value-added products to make the process economically viable, as well as achieve wastewater remediation. Wastewater biorefinery is the process of converting carbon, nitrogen, phosphorus, and trace nutrients in wastewater into value-added products, while providing clean water resources. Authors are invited to submit papers focusing on wastewater biorefinery technologies towards carbon neutrality. The topics covered can include, but are not limited to, lignocellulosic biorefinery, algal biorefinery, hydrogen biorefinery, methane biorefinery, ethanol biorefinery, and bioelectrochemistry, as well as process scale-up, molecular biology, and process economics... For further reading, please follow the link to the Special Issue Website at: https://www.mdpi.com/journal/water/special_issues/9C5BIH575X

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Deadline for manuscript submissions

closed (4 November 2024)

Water

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 6.0

mdpi.com/si/194283

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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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