

Special Issue

Applications of Microalgae and Macroalgae in Water Treatment

Message from the Guest Editors

Water contaminants threaten the environment and human society. Wastewater treatment and reuse are one of the solutions proposed for water-related environmental issues. Additionally, with “carbon neutralization” being proposed, new issues and challenges are evident for water treatment and reuse technologies. Macroalgae and microalgae-based technologies have been considered promising, coupling wastewater treatment and biomass production. Algae can consume undesired contaminants, e.g., carbon, nitrogen, and phosphorus, in water through their metabolism from effluents, producing carbon-neutralized biomass, e.g., carbohydrates, lipid, and protein. They are also adaptive to various types of wastewater. In this context, this Special Issue will focus on macroalgae and microalgae-based wastewater treatment technologies while highlighting the latest technology advancements. This topic welcomes high-quality research articles and state-of-the-art critical reviews.

Guest Editors

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Deadline for manuscript submissions

closed (15 May 2025)



Water

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.0



mdpi.com/si/157119

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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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