Special Issue

Advances in Biological Technologies for Wastewater Treatment

Message from the Guest Editors

Biological technologies have long been integral to wastewater treatment and have become intertwined with considerations of treatment efficacy, financial investment, energy requirements, operational flexibility, and environmental impact. Recent efforts have focused on exploring novel biological technologies to enhance wastewater treatment; however, the challenge lies in reconciling treatment effectiveness with sustainable development goals to eliminate contaminants from wastewater, utilize renewable energy sources, and adhere to increasingly stringent regulatory standards. This Special Issue of *Water* aims to disseminate cutting-edge research on the contemporary application of biological technologies in wastewater treatment and, by doing so, seeks to boost the performance of wastewater treatment while simultaneously reducing costs through potential nutrient and/or energy recovery. Authors are encouraged to contribute original research and new insights on advances in this important field. For more details, please find at: https://www.mdpi.com/journal/water/special_issues/Y9V4G19VNK

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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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