

Special Issue

Biotechnological Wastewater Treatment for Pollution Control and Resource Recovery

Message from the Guest Editors

Wastewater treatment plants (WWTPs) may receive different types of wastewater. Municipal wastewater is the largest by volume; untreated or partially treated wastewater from the industrial sector as well as landfill leachate can also be discharged to a treatment plant. Once received at a WWTP, the wastewater is processed for pollutant removal (COD, TP, TN, etc.). and two types of streams are generated: i) a liquid stream composed of treated wastewater effluent that can either be discharged in the environment or reclaimed (for groundwater recharge, irrigation, municipal, or industrial reuse) and ii) a stream with a higher solid content, which is sewage sludge. Sewage sludge has always been known for its fertilising value. Metal pollution, mainly from road run-off, restricted its use as a soil improver and fertilizer in agriculture. However, over the last decade, in which resource recovery and the circular economy have gained more ground, the stream has again been valued for its large potential. [...]

For further reading, please follow the link to the Special Issue Website at:

https://www.mdpi.com/journal/water/special_issues/Biotechnological_Wastewater

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Deadline for manuscript submissions

closed (31 December 2021)



Water

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CiteScore 6.0



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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

Dr. Jean-Luc PROBST

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