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Biotechnological Wastewater Treatment for Pollution Control and Resource Recovery

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Deadline for manuscript submissions:

closed (31 December 2021)

Message from the Guest Editors

Dear Colleagues,

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. [...]

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Special Issue



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Message from the Editor-in-Chief

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