

Special Issue

Biorefinery of Wastewater Treatment Plant: The Pathway to Sustainable Development

Message from the Guest Editors

Wastewater has great potential to create a circular economy through the recovery and efficient use of resources and the reduction of emissions. Treated water, biosolids, biomethane and nutrients, among other resources, can be recovered from wastewater. WWTPs are a key infrastructure and a major point of interest for the development of circular economies. The configuration of a WWTP depends on the geographical region, population served and the respective quality and quantity of wastewater to be treated. The purpose of the special issue is to know the current state and technological advances that it will allow a total transforming and/or improve a wastewater treatment plant into a product and energy producer plant using wastewater as raw material, under the concept of biorefinery. Please, to enter a title, authors and a tentative 200-word abstract before submit full paper. In turn, the deadline to submit the full paper is August 2023.

- water treatment plants
- WWTPs
- active sludge
- nutrient recovery
- energy recovery
- sustainability
- biorefinery
- circular economy

Guest Editors

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Deadline for manuscript submissions

closed (15 January 2024)



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