Special Issue

Anaerobic MBR for Resources Recovery from Organic Waste and Wastewater in Small or Decentralised Locations

Message from the Guest Editor

The current management of the urban wastewater and the organic fraction of municipal solid waste is mostly based on aerobic processes (mostly activated sludge systems and composting, respectively), which are known as energy consuming technologies. However, the new Circular Economy (CE) framework, together with the increasing need for a reduction in greenhouse gasses emissions (see e.g. European Green Deal) will guide the future tendency in policy making and encourage the use of more sustainable technologies. Anaerobic-based systems allow recovering of energy (biogas) and nutrients (nitrogen and phosphorus) from organic waste and wastewater. The anaerobic waste sludge, after stabilizing (composting) can also be used for land application as a source of organic matter for soil amendment and prevention of desertification, which also helps carbon sequestration. The shift to anaerobic treatments applied to organic waste and wastewater is close to become a reality.[...]
For further reading, please follow the link to the Special Issue Website at:
https://www.mdpi.com/journal/water/special_issues/anaerobic_MBR

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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

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