Special Issue

Innovative Technologies and Materials for Sustainable Wastewater Treatment and Resource Recovery

Message from the Guest Editors

The wastewater treatment process has been widely employed as a crucial component of environmental sustainability, while the concept of resource recovery has emerged as a valuable aspect in contemporary times. This special issue focuses on utilizing novel advanced technologies and materials for wastewater treatment. The design of this Special Issue scheme was motivated by the existing research gaps surrounding the application of advanced technologies and materials in the treatment of wastewater and resource recovery. The primary subjects encompass the entirety of the value chain pertaining to sustainable wastewater treatment and resource recovery, including but not limited to the following:

- Treatment of hazardous pollutants from wastewater;
- Recovery of resources from wastewater streams;
- Integration of novel physical, chemical, and biological technologies;
- Life cycle assessments (LCA) to evaluate the environmental impacts of the emerging technologies and materials;
- Techno-economic analyses to assess the economic viability and feasibility of implementing these technologies and materials.

Guest Editors

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Deadline for manuscript submissions

closed (24 November 2024)

Sustainability

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Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/180230

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Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in *Sustainability*, an international Open Access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. *Sustainability* publishes original research articles, review articles and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

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