

## Special Issue

# Wastewater as a Resource: Sustainable Management and Utilization

### Message from the Guest Editors

This Special Issue seeks original research and review articles focusing on the sustainable management and utilization of wastewater as a resource. We invite contributions that advance the science, engineering, and governance required to (i) recover clean water with minimum life-cycle energy and chemical footprints, (ii) harvest embedded resources such as carbon–biogas, nitrogen, phosphorus, and so on, and (iii) integrate these recovery loops into urban–rural systems. Topics of interest include, but are not limited to, the following: Low-carbon water-treatment technologies; Novel adsorbents and membrane materials for wastewater valorization; Photothermal desalination and freshwater recovery systems; Anaerobic and bio-electrochemical processes; Recovery of nutrients and extracellular polysaccharides; Cellulose, alginate, bioplastics, and value-added products from sludge and side-streams; Metal and rare-element recovery; Life-cycle costing, socio-technical acceptance, and circular-economy business models; Policy instruments, water–energy–food nexus governance and stakeholder engagement; Case studies of large-scale, replicable “wastewater-as-a-resource” implementations.

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### Guest Editors

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### Deadline for manuscript submissions

31 July 2026



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# About the Journal

## 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. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full 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.

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## Editor-in-Chief

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