

Special Issue

Harmless Disposal and Valorisation of Solid Waste

Message from the Guest Editors

As urbanization accelerates, solid waste management poses a challenge to achieving sustainable development goals. Harmless disposal and resource utilization are essential strategies for minimizing environmental impact of waste and promoting circular economy in green cities. This Issue aims to explore innovative technologies for green and efficient treatment and recovery of valuable resources from solid waste to improve waste management efficiency. Topics of interest include waste-to-energy conversion technologies; data-driven approaches for monitoring and optimizing waste management processes; advanced sustainable disposal methods; resource recovery strategies for waste (such as sludge); effective removal of pollutants (including typical contaminants and emerging pollutants like antibiotic resistance genes and perfluorinated compounds); waste valorization; data processing methods for monitoring and characterizing waste treatment; research progress on current waste treatment methods (including optimization strategies and development trends); methods to improve waste treatment efficiency... Look forward to your submissions.

Guest Editors

Dr. Hang Yu
Dr. Jingyang Luo
Prof. Dr. Zhiqiang Zhao

Deadline for manuscript submissions

closed (31 March 2026)



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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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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