

Special Issue

Integrated Treatment Strategies for Solid Wastes

Message from the Guest Editors

The global challenge of solid waste generation necessitates integrated treatment strategies combining physical, chemical, and biological processes. This Special Issue invites original research and reviews on these strategies, with a scope that includes, but is not limited to, the following topics:

- Integrated physical, chemical, and biological treatment technologies for solid wastes;
- Waste-to-energy approaches and valorization of by-products;
- Recycling and resource recovery of plastics, metals, biomass, and construction wastes;
- Circular economy and eco-design strategies in waste management;
- Life cycle assessment (LCA) and techno-economic analysis of integrated treatment solutions;
- Policies, regulations, and socio-economic drivers for sustainable waste management;
- Smart and digital technologies for optimizing collection, monitoring, and treatment processes.

Guest Editors

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Deadline for manuscript submissions

31 July 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/256216

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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. 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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