

Special Issue

Advances in Research on Sustainable Waste Treatment and Technology

Message from the Guest Editor

Research focused on sustainable waste treatment and technology is a rapidly evolving field. Advances that ensure both environmental protection and human health while simultaneously being both energy- and cost-efficient require continued innovation and cross-cutting interdisciplinary research. This is important to adapt to the new challenges that need to be faced, particularly with the expansion of artificial intelligence (AI). This Special Issue aims to gather the latest developments in the field. Topics of interest may include:

- Innovations in waste treatment and technology
- Waste collection infrastructure: addressing limitations in current and aging systems
- Waste disposal and reuse: strategies for sustainable end-of-life waste solutions
- Energy management, integrating efficient energy use within waste systems
- AI-driven challenges, including data quality, privacy, and economic viability

Submissions to the Special Issue may deal with problems of practical relevance or focus on an experimental system of any size—large, small, pilot, or lab—and may pertain to developed, developing, or underdeveloped countries.

Guest Editor

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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

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