

Special Issue

Environmental Impact and Energy Potential of Solid Waste Management Systems and Technologies

Message from the Guest Editors

This Special Issue aims to contribute to more sustainable, energy-productive, and environmentally sound waste management systems. Topics of interest include, but are not limited to:

- Environmental and energy performance across the waste management value chain.
- Optimization of collection and transport systems for energy and emissions efficiency.
- Selective collection strategies and their impact on material and energy recovery.
- Role and efficiency of material recovery facilities and sorting technologies.
- MBT and its environmental and energy metrics.
- Recycling technologies and recovery of secondary raw materials.
- Biowaste biorefineries and their integration into circular economy models.
- Thermal treatment processes including pyrolysis and incineration for energy recovery.
- Design and control of waste-to-energy (WtE) plants and emission systems.
- Production and application of refuse-derived fuels (RDFs).
- Life cycle and exergy assessments of waste treatment technologies.
- Impacts of open burning, waste fires, and illegal disposal on air quality and ecosystems.
- Integration of solid waste management with broader environmental management frameworks.

Guest Editors

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Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

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