

## Special Issue

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

### Message from the Guest Editors

Topics of interest include, but are not limited to, the following:

- Waste-to-energy conversion techniques
- 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 of material recovery facilities and sorting technologies in energy savings.
- Mechanical–biological treatment (MBT) and its environmental and energy metrics.
- Recycling technologies and recovery of secondary raw materials and their energy metrics.
- 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.

This Special Issue invites original research, reviews, and case studies that contribute to more sustainable, energy-productive, and environmentally sound waste management systems.

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### Guest Editors

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## About the Journal

### 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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### Editor-in-Chief

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