

## Special Issue

# Studies on Waste Resource Utilization and Its Processing Technologies

### Message from the Guest Editor

This Special Issue, 'Studies on Waste Resource Utilization and Its Processing Technologies', invites submissions of high-quality research that emphasizes waste resource valorization using both conventional and innovative methodologies, with a focus on achieving technical, environmental, social, and economic sustainability. Relevant topics for consideration include, but are not limited to, the following:

- Production and processing technologies for refuse-derived fuels (RDFs);
- Thermochemical conversion methodologies for waste-to-energy applications;
- Biological conversion strategies for energy recovery from waste;
- Techno-economic analyses and life cycle assessments of waste resource utilization practices;
- Waste reuse, recycling, and resource recovery strategies;
- Experimental and mathematical modeling of waste-to-energy conversion technologies;
- Comprehensive waste characterization and management practices.

Contributions that advance our understanding and implementation of these topics are highly encouraged in order to further the discourse in this critical field of study.

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### Guest Editor

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### Deadline for manuscript submissions

20 December 2025



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