

## Special Issue

# Emerging Technologies in Solid Waste Recycling and Reuse

### Message from the Guest Editors

This Special Issue seeks high-quality research contributions focusing on innovative solutions for waste minimization, resource recovery, and sustainable reuse. We would also highly appreciate literature reviews and state-of-the-art articles. Topics of interest include, but are not limited to, the following:

- Novel recycling processes, biodegradable and recyclable materials;
- Waste valorization strategies;
- Effluent purification processes using waste;
- Development of new materials through the use of waste;
- Smart waste management systems;
- Life cycle assessment (LCA) of recycling technologies;
- Policy frameworks supporting circular economy initiatives;
- Contributions exploring the role of Industry 4.0 technologies, such as IoT, machine learning, and robotics, in optimizing waste recycling and reuse processes;
- Circular economy in waste management.

**Submission Guideline:** click on the Special Issue link below and "Submit to Special Issue" in the upper left corner  
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### Guest Editors

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### Deadline for manuscript submissions

31 October 2025



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### Message from the Editor-in-Chief

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