

Special Issue

Sustainable Resource Utilization and Management of Electronic Waste: Innovations, Challenges, and Future Directions

Message from the Guest Editors

This Special Issue will consider the challenges related to managing electronic waste or e-waste, one of the fastest growing waste streams. As the global demand for electronic products continues to grow, addressing complex issues regarding e-waste management through sustainable strategies has become an urgent priority. E-waste management can have a significant positive economic impact, as it reduces production costs, generates profits from recycling and reusing valuable materials and components, reduces disposal costs, avoids fines, and promotes resource sustainability.

We welcome original research articles, review articles, and case studies that highlight advances in this subject. Key topics include, but are not limited to, the following:

- emerging e-waste recycling technologies
- reuse of e-waste
- advanced technologies for e-waste management
- life cycle assessment and environmental impact of e-waste management
- circular economy practices in e-waste management
- remanufacturing e-waste
- policy and regulatory frameworks for sustainable e-waste management
- socio-economic impacts of e-waste recycling
- innovations in design for dismantling and reuse

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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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