

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

Guest Editors

Dr. Eleni Kastanaki

School of Chemical and Environmental Engineering, Technical University of Crete, Chania, Greece

Dr. Giin Yu Amy Tan

Department of Architecture and Civil Engineering, City University of Hong Kong, Hong Kong SAR, China

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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

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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. *Sustainability* publishes original research articles, review 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

Prof. Dr. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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