

Special Issue

Transforming End-of-Life Product Management: Leveraging Big Data, Deep Learning, and Sustainable Practices

Message from the Guest Editors

The Special Issue seeks research on how the technologies can improve the sustainability and efficiency of EoL management. It invites submissions that combine theoretical insights with practical applications to revolutionize traditional EoL processes, supporting the circular economy. Research areas may include (but are not limited to) the following:

- Applications of big data for optimizing recycling processes;
- Predictive modeling for EoL product flows and waste management;
- Data-driven decision-making in EoL product lifecycle assessment;
- Enhancing recycling accuracy through machine learning techniques;
- Circular economy models in product design and lifecycle management;
- Synergies between big data, AI, and sustainable practices in EoL management;
- Case studies on successful technology integration in EoL processes;
- Challenges and opportunities in adopting digital technologies for EoL management;
- Economic analysis of technology-driven EoL management strategies;
- Incentives for adopting advanced technologies in waste management

Guest Editors

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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

Prof. Dr. Steve W. Lyon

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