

Special Issue

Waste Management and Recycling for Sustainability

Message from the Guest Editors

This Special issue will focus on recent advances in the microstructural properties of waste composites; innovative experimental techniques; analytical methods; and the design, production, and practical applications of disposing of these materials. We are especially interested in theories or technologies related to extracting and recycling metals from various wastes through physical, thermochemical or combined processes. The use of special characterization methods such as X-ray diffraction, SEM-EDS, and other thermal analysis is advisable. We are pleased to invite scientists in the field of metallurgy, construction, environmental engineering, chemistry, materials engineering, and related fields to publish their own and original research articles and reviews in this Special Issue. Research areas may include (but are not limited to) the following:

- Thermodynamics and kinetics studies;
- Innovation recycling technologies and processes;
- E-waste recycling;
- Spent lithium battery recycling;
- Metallurgical slag recycling;
- Phase diagram studies for waste oxides systems;
- Carbon capture, utilization and storage.

Any inquiry, please contact Mark Huang .

Guest Editors

Dr. Junjie Shi

Dr. Qing Zhao

Dr. Xingbang Wan

Deadline for manuscript submissions

closed (16 September 2024)



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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

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