

Special Issue

Sustainable Advanced Materials: Semiconductors, Oxides, and Metal-Based Systems for Energy and Electronics

Message from the Guest Editors

The progress of sustainable technologies relies on advanced materials. As the demand for energy-efficient solutions and high-performance electronics rises, research on innovative materials is essential.

This Special Issue centers on the design and application of advanced materials for sustainability in industries like renewable energy. Key materials are:

- Functional materials: For energy-efficient electronics.
- Structural materials: Metals and composites for durability.
- Radiation-resistant materials: For aerospace and extreme conditions.
- Rare-earth materials: Exploring their roles in new tech.

A main focus is how material science aids in achieving Sustainable Development Goals (SDGs):

- SDG 7: Develop materials for energy tasks.
- SDG 9: Improve material performance in industry.
- SDG 12: Promote sustainable material development.
- SDG 13: Use materials for energy-efficient tech and less environmental harm.

We welcome original articles and reviews on novel material synthesis and eco-friendly fabrication. Contributions on the link between nanotechnology, material science, and sustainability are encouraged.

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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.

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