

Special Issue

Energy Technology, Power Systems and Sustainability

Message from the Guest Editor

The global energy landscape is undergoing a profound transformation, driven by the urgent need to reduce greenhouse gas emissions, improve energy efficiency, and transition to more sustainable and resilient power systems. This Special Issue invites original research and comprehensive reviews that address the development, integration, optimization, and sustainability assessment of emerging energy technologies and modern power systems. We aim to explore how innovative solutions—from renewable energy integration and smart grid technologies to energy storage and the electrification of transport—can contribute to a cleaner, more efficient, and equitable energy future.

- Renewable energy integration in smart grids;
- Energy storage systems and management;
- Sustainable electrification of transport;
- Grid flexibility and demand-side management;
- Power electronics for renewable systems;
- Energy efficiency in industrial and residential applications;
- Microgrids and distributed energy resources;
- Digitalization and AI in energy systems;
- Life cycle assessment and sustainability metrics;
- Policy and regulatory frameworks for sustainable power systems.

Guest Editor

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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

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