

Special Issue

Sustainable Energy in Building and Built Environment

Message from the Guest Editors

Contributing to the development of clean, sustainable and modern energy sources, this Special Issue encompasses the following: (1) Focus: This Special Issue focuses on cutting-edge research in smart grid technologies, energy optimization, advanced solutions, and the integration of renewable energy and storage systems into sustainable power networks. (2) Scope: We seek original research, case studies, reviews, and technical notes addressing topics such as the following:

- Hydrogen fuel cells, storage integration;
- Optimization in smart grid operation and planning;
- Intelligent for operation and energy management systems;
- Grid-interactive technologies and demand-side flexibility;
- AI and machine learning for predictive diagnostics;
- Smart grid cybersecurity, resilience, and policy frameworks.

(3) Purpose: Our aim is to create an interdisciplinary platform that connects academic researchers, industry professionals, and policymakers. By promoting scalable and cutting-edge solutions, this Special Issue hopes to contribute to the global discourse on achieving carbon neutrality and sustainable development through innovation in power systems.

Guest Editors

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About the Journal

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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