

Special Issue

Smart Grid Energy Management: Advancing Sustainability and Cybersecurity

Message from the Guest Editors

This Special Issue, "Smart Grid Energy Management: Advancing Sustainability and Cybersecurity," seeks to explore cutting-edge strategies for enhancing the sustainability and security of smart grids. As renewable energy, digital technologies, and decentralized energy markets become more intertwined, smart energy management systems (EMSs) become indispensable for maximizing resource efficiency while preserving grid security and stability. Advanced subjects include blockchain for decentralized energy transactions, smart grid cybersecurity, and forecasting powered by artificial intelligence, and energy system optimization strategies will also be covered. By demonstrating how cutting-edge technology may address socioeconomic and environmental issues connected to sustainable energy consumption, the goal is to close gaps in the literature. We invite submissions that present novel frameworks, models, and case studies that push the boundaries of current research, contributing to more sustainable and secure energy infrastructures.

Guest Editors

Dr. Oussama Laayati
Prof. Dr. Ahmed Chebak
Dr. Ahsen Maqsoom

Deadline for manuscript submissions

closed (31 January 2026)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/222265

Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sustainability@mdpi.com

[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/journal/
sustainability](https://mdpi.com/journal/sustainability)



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

School of Environment and Natural Resources, Ohio State University,
Columbus, OH 43210, USA

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1
(Geography, Planning and Development)