

Special Issue

AI-Driven Low-Carbon Sustainable Energy Systems: System Design, Computational Strategies, and Emerging Innovations

Message from the Guest Editors

The dual imperatives of climate urgency and the energy transition demand transformative approaches to decarbonize global energy systems, and the integration of AI-driven methodologies with multi-energy networks has emerged as a pivotal pathway toward achieving carbon neutrality while maintaining energy resilience. This Special Issue focuses on paradigm-shifting innovations spanning intelligent system design, advanced computational frameworks, and cross-domain technological synergies that redefine sustainable energy ecosystems.

Guest Editors

Dr. Ning Zhang

Prof. Dr. Yan Juan

Dr. Chao Ning

Dr. Yumeng Song

Deadline for manuscript submissions

12 March 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/234153

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. *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

Faculty of Engineering and Applied Science, University of Ontario
Institute of Technology, Oshawa, ON L1G 0C5, Canada

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, CAPIus / SciFinder, and other databases.

Journal Rank:

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