

## Special Issue

# Advanced Technology and Urgent Issues in Sustainable Energy Integration

### Message from the Guest Editor

This Special Issue focuses on the key technologies of grid-connected sustainable energy, encourages the exchange of various knowledge about the control strategies of renewable and sustainable energy systems, and aims to improve the overall inertia performance of these new energy grid-connected systems, the stability of the fault conditions, and to guarantee the safe and stable operation of new power systems. In this Special Issue, original research articles and reviews are welcome, and research areas may include, but are not limited to:

- planning and operation of sustainable energy integration;
- inertia support for sustainable energy integration;
- stability analysis of the sustainable energy integration;
- fault diagnosis of the sustainable energy equipment;
- advanced control algorithm for sustainable energy integration;
- distribution and scheduling of sustainable energy;
- artificial intelligence applications for sustainable energy integration;
- accurate power prediction of sustainable energy;
- power quality of sustainable energy integration;
- transmission topology of sustainable energy integration.

---

### Guest Editor

Dr. Ying Zhu

School of Electrical and Power Engineering, Hohai University, Nanjing 211100, China

---

### Deadline for manuscript submissions

closed (28 February 2025)



**Sustainability**

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.3**  
**CiteScore 7.7**



[mdpi.com/si/208038](https://mdpi.com/si/208038)

*Sustainability*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto: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)