

## Special Issue

# Integration of Renewable Energy Systems in Power Grid

### Message from the Guest Editor

The global energy landscape is transforming towards sustainable, low-carbon systems. This Special Issue focuses on integrating renewable energy systems (RESs) into power grids, crucial for achieving climate goals. As renewables dominate the energy mix, their integration poses technical, operational, and economic challenges. The issue aims to present recent advances in renewable energy integration and foster a global discussion on decarbonizing the power sector. It invites academics, industry professionals, and policymakers to submit original research, comparative studies, or interdisciplinary approaches. Key themes include innovative solutions for resilience and accessibility in future power grids. Topics of interest for publication include, but are not limited to, the following:

- Enabling technologies for the energy transition;
- Grid stability and reliability;
- Energy storage and flexibility;
- Advanced control and management systems;
- Grid modernization and digitalization;
- Innovative network schemes;
- Policy and economic analyses;
- Case studies and real-world implementations.

---

### Guest Editor

Dr. Susanna Mocci

Department of Electrical and Electronic Engineering, University of Cagliari, 09123, Cagliari, Italy

---

### Deadline for manuscript submissions

closed (20 April 2026)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/225906](https://mdpi.com/si/225906)

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

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





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



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



## About the Journal

### Message from the Editor-in-Chief

*Energies* is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

---

### Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University  
Niccolò Cusano, 00166 Roma, Italy

---

### Author Benefits

#### Open Access:

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

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

CiteScore - Q1 (Control and Optimization)