Special Issue

Hybrid-Renewable Energy Systems in Microgrids

Message from the Guest Editor

This Special Issue of *Energies* will explore the latest developments in technology to enable the widespread diffusion of microgrids throughout the globe. While papers concerning the control of microgrids systems are welcomed, we would particularly welcome those that offer insights into microgrid architectures and sites. The Special Issue will include, but is not limited to, the following:

- Decentralized, distributed, and centralized controllers for microgrids;
- Power quality for grid-connected and islanded microgrids;
- Communication systems oriented to microgrids;
- Energy management systems for microgrids;
- Demonstration and pilot projects.

We welcome papers on primary, blue-skies research, as well as cutting-edge exemplars from industrial practice that can be used to encourage sustainable development and performance of energy microgrids worldwide.

Guest Editor

Dr. Sarvar Hussain Nengroo
Cho Chun Shik Graduate School of Mobility, Korea Advanced Institute of Science and Technology (KAIST), Daejeon, Korea

Deadline for manuscript submissions

closed (17 April 2025)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/135204

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

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)