

Special Issue

Renewable Energy Management System and Power Electronic Converters

Message from the Guest Editor

At present, the sustainable development requirements of the electricity sector promote an important transformation worldwide. In the scenario of this new energy outlook, the integration of renewable resources, together with the management systems and power electronic converters, play an important role, as one of the most promising technologies to face global warming and climate change. Consequently, the expansion of the use and applications of renewable energies has motivated advancements in engineering science on topics such as grid integration energy resources, new energy storage systems, power converter topologies, and advance control techniques, among others. This Special Issue on Renewable Energy Management System and Power Electronic Converters aims to focus on recent advances and new trends in grid integration for renewable resources including power converter topologies, energy storage, control techniques, stability and reliability, and renewable energy management systems. The editor invites original manuscripts presenting recent advances in these fields.

Guest Editor

Prof. Dr. Raul Igmar Gregor Recalde

Facultad de Ingeniería, Universidad Nacional de Asunción, Asunción
2064, Paraguay

Deadline for manuscript submissions

closed (30 June 2025)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/110869

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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)