



Large-Scale Integration of Renewable Energy in Electric Systems

Guest Editors:

Prof. Dr. João Soares

Dr. Jesus C. Hernandez

Prof. Dr. Ali Bassam

**Dr. Carmen Luisa Vásquez
Stanescu**

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

Dear Colleagues,

The overall focus of this Special Issue is to explore the topic of the "Large-Scale Integration of Renewable Energy in Electric Systems" within the context of the CYTED project—RIBIERSE. The scope of this Special Issue includes, but is not limited to, the following topics:

- Spatiotemporal macro/micro-simulation methodologies to evaluate the potential for electric generation with renewable sources.
- Technical challenges and solutions for integrating large amounts of renewable energy into electric grids.
- Economic implications and cost-effectiveness of renewable energy integration.
- Policy frameworks, regulations, and incentives that promote the large-scale integration of renewable energy.
- Grid stability, reliability, and resilience in the presence of high penetrations of renewable energy sources.
- Energy storage and electric vehicle technologies and their role in facilitating the integration of renewable energy.
- Training of technicians from municipal entities and local companies in decision-making on the development of electrical systems.





energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

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)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://twitter.com/energies_mdpi)