



*energies*



an Open Access Journal by MDPI

## Recent Advances in Power Quality Analysis and Robust Control of Renewable Energy Sources in Power Grids: 2nd Edition

Guest Editor:

**Prof. Dr. Dinko Vukadinović**  
Department of Power  
Engineering, Faculty of Electrical  
Engineering, Mechanical  
Engineering and Naval  
Architecture, University of Split,  
21000 Split, Croatia

Deadline for manuscript  
submissions:

**17 October 2024**

### Message from the Guest Editor

Dear Colleagues,

The objective of this Special Issue is to bring together recent, high-quality papers related to the theory and practice of power quality in power grids with a significant share of RESs.

Relevant topics include but are not limited to the following:

- Power quality monitoring;
- Control of power quality mitigation devices;
- Active filtering of voltage and current harmonics;
- Power quality problem mitigation;
- Control methods for AC, DC, and hybrid microgrids;
- Advanced control methods for power converters;
- Stability of microgrids;
- Control of storage devices;
- Advances in the economic aspects of microgrids;
- Cyber security, data processing, and smart loads in microgrids;
- Electromagnetic interference in microgrids.



[mdpi.com/si/203321](https://mdpi.com/si/203321)

**Special** Issue



# 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](http://www.mdpi.com)

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