Special Issue

Advances in Electrical Power System Quality

Message from the Guest Editors

This Special Issue is proposed to bring together researchers, scientists and engineers from academia and industry in order to disseminate ideas and results related to the use of advanced techniques in the intelligent control of energy flows in the electrical grid for stability and power quality improvement. This Special Issue will deal with novel optimization and control techniques for electrical power systems quality. Potential topics include but are not limited to the following:

- Power system control and quality;
- Neural networks and fuzzy logic control for electrical power systems quality;
- Reinforcement-learning-based control for electrical power systems quality;
- Intelligent optimization and applications to electrical power systems quality;
- Wavelet transform;
- Energy management system.

Theoretical and practical studies are equally encouraged. Application areas include energy systems (renewable energy, smart grids, electric drives), automotive industry, etc.

Guest Editors

Prof. Dr. Marcel Nicola

Prof. Dr. Petre-Marin Nicolae

Prof. Dr. Dan Selisteanu

Deadline for manuscript submissions

15 September 2025

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/185163

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)