



energies



an Open Access Journal by MDPI

Power Quality Monitoring with Energy Saving Goals

Guest Editors:

Dr. Dawid Buła

Faculty of Electrical Engineering,
Silesian University of Technology,
44-100 Gliwice, Poland

Dr. Dariusz Grabowski

Faculty of Electrical Engineering,
Silesian University of Technology,
44-100 Gliwice, Poland

Deadline for manuscript
submissions:

10 September 2025

Message from the Guest Editors

Dear Colleagues,

The energy transition that we are currently witnessing and the constant increase in demand for electricity mean that issues related to power quality are becoming ever-more critical. Power quality is described as a set of parameters describing the properties of a process of supplying energy to the user under normal operating conditions, determining the continuity of the power supply and characterising the supply voltage. However, the power quality is also related to the receivers' parameters, such as the harmonic content in currents or absorbed reactive power. These parameters significantly affect voltage degradation and are essential due to losses in energy transmission. Monitoring power quality factors and appropriate decision-making processes or devices can, therefore, impact energy savings by reducing losses. In addition, monitoring quality parameters in the electrical grid can prevent costly failures or predict the production downtime.



mdpi.com/si/197567

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 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)