

Special Issue

Power Quality Monitoring with Energy Saving Goals

Message from the Guest Editors

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.

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Deadline for manuscript submissions

25 March 2026



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/197567

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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.

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