Special Issue

Advances in Renewable Energy Power Forecasting and Integration: 2nd Edition

Message from the Guest Editor

This Special Issue is focused on developing the most recent and cutting-edge technology related to forecasting, management, and decision-making for renewable energy integration into the utility grid toward green energy for the future. The aims of this Special Issue are to:

- Facilitate the integration of renewable energy by applying hybrid forecasting techniques for renewables.
- Improve renewable energy integration using advanced control techniques based on machine learning forecasting models.
- Improve the power system quality based on adaptive power electronics and filters.
- Improve the energy storage systems by applying different management techniques and decision-making to reduce the storage system's size, charging, and discharging.

Topics of interest for publication include, but are not limited to:

- Application of artificial intelligence in the engineering field.
- Forecasting techniques.
- Management and decision-making for renewable energy integration.
- Smart and microgrids.
- Power system operation and control.
- Power quality issues.
- Energy management and optimization.
- Distributed generation.
- Power system dynamics and stability analysis.

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Deadline for manuscript submissions

24 November 2025

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/227542

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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.

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