Special Issue

Development of Distributed Energy Systems Based on Renewable Energy Sources—2nd Edition

Message from the Guest Editors

This Special Issue discusses the current status as well as the potential and development prospects of distributed energy systems based on renewable energy sources. The basis for the proper management of energy resources in distributed systems is the development of modern energy management systems and platforms at different levels of contemporary energy systems and smart power grids. The scope of this Special Issue covers but is not limited to the following topics:

- Energy transformation in less urbanized areas;
- Possibilities of developing renewable energy in distributed energy systems;
- Biomass and biogas technology;
- Wind energy technology;
- Water energy technology;
- Photovoltaic technology;
- Heat pump technology and thermal energy storage technologies;
- Energy management in buildings and homes;
- IoT applications and artificial intelligence for renewable energy

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Deadline for manuscript submissions

5 May 2026

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/261308

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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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