

## Special Issue

# Development Strategies of Distributed Power Generation

### Message from the Guest Editor

A growing diffusion of RES-based Distributed Generation is expected in the next years due to the progressive reduction of its investment cost making these systems more profitable and competitive by reaching the grid parity. In addition, the recent introduction of the regulatory framework for the development of RES-based energy communities in the European Union has further boosted the market for the Distributed Generation. This evolution has changed the classical approach of grid development converting the energy flows within the electrical networks to promote energy self-consumption and energy independence.

However, wider diffusion of RES-based Distributed Generation could imply both positive and negative impacts. Consequently, operators of active grids need challenging strategies for the development of RES-based distributed generation to provide efficient, reliable and stable networks.

In this context, the Special Issue focuses on the research, development, and practical application applied to foster the diffusion of the RES-based Distributed Generation at all levels.

---

### Guest Editor

Dr. Paolo Lazzeroni  
Department of Energy, Politecnico di Torino, Turin, Italy

---

### Deadline for manuscript submissions

closed (10 July 2023)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/98453](https://mdpi.com/si/98453)

*Energies*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[energies@mdpi.com](mailto:energies@mdpi.com)

[mdpi.com/journal/  
energies](https://mdpi.com/journal/energies)





# Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/journal/  
energies](https://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)