

## Special Issue

# Challenges and Research Trends of Smart Grids and Distribution Network

### Message from the Guest Editors

We are pleased to inform you that we are planning a Special Issue entitled *Challenges and Research Trends of Smart Grids and Distribution Networks*. In this context, research activities play a fundamental role in evaluating the technical and economic benefits of applying new technologies and adopting innovative frameworks that enable the use of energy flexibility resources such as EV, storage systems, and demand response. The motivation for this Special Issue lies in the need to collect the most recent and advanced studies on the challenges and research trends in smart grids and distribution networks, focusing on technical matters from the perspective of the power system. We invite all interested colleagues to contribute their state-of-the-art review papers or latest studies related to the challenges and research trends of smart grids and distribution networks. We hope that this initiative will be well received and we look forward to your contributions. Sincerely,

---

### Guest Editors

Prof. Dr. Marco Maccioni

Dr. Mihai Sanduleac

Dr. Tommaso Bragatto

---

### Deadline for manuscript submissions

closed (30 June 2022)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/103109](https://mdpi.com/si/103109)

*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)