

## Special Issue

# Sustainable Energy in the Age of Digitalization

### Message from the Guest Editors

The energy sector is undergoing a profound transformation, shaped by climate goals, technological innovation, and the growing need for decarbonization across production, distribution, and use. Despite notable progress in renewable deployment and energy efficiency, key challenges persist: ensuring reliability, adaptability, and coordinated performance across scales and sectors. Digitalization plays an increasingly central role in this transition. Advances in sensing, data analysis, artificial intelligence, control, and communication enable the intelligent management of heating and cooling, on-site generation, energy storage, electric mobility, and grid operations. This Special Issue, “Sustainable Energy in the Age of Digitalization”, will showcase high-quality contributions addressing energy sustainability through the lens of digital transformation.

### Guest Editors

#### Dr. Panagiotis Michailidis

1. Information Technologies Institute, Centre for Research & Technology Hellas, Thessaloniki, 57001 Thessaloniki, Greece
2. Department of Electrical and Computer Engineering, Democritus University of Thrace, 67100 Xanthi, Greece

#### Dr. Federico Minelli

Department of Industrial Engineering, University of Naples Federico II, Piazzale V. Tecchio, 80, 80125 Naples, Italy

### Deadline for manuscript submissions

10 September 2026



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/272650](https://mdpi.com/si/272650)

*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)