

## Special Issue

# Sustainable and Low Carbon Development in the Energy Sector

### Message from the Guest Editors

This Special Issue aims to present and disseminate the most recent advances related to the economic use of all types of renewable and traditional energy sources, which would enable sustainable human growth and contribute to the reduction in greenhouse gas emissions. Topics of interest for publication include, but are not limited to:

- All aspects of low-carbon power systems based on both renewables and nuclear power;
- Managing the renewable energy sector and integrating it with fossil-fuel-based power plants;
- Digitization and electrification of large sectors of the economy, such as transportation and heating;
- Integration of renewable energy systems;
- Electric and hydrogen cars;
- Prospects for the development of electric aircraft;
- Economic and legal challenges related to sustainable development;
- Limitation of economic development associated with increasing thermodynamic entropy;
- Econophysical methods in the study of the renewable energy sector;
- Nonlinear dynamics and energy aspects of low-carbon development;
- Management of energy sector companies.

---

### Guest Editors

Prof. Dr. Maria Dzikuć

Faculty of Economics and Management, University of Zielona Góra,  
Licealna Street 9, 65-417 Zielona Góra, Poland

Prof. Dr. Aleksander Jakimowicz

Institute of Economics, Polish Academy of Sciences, Staszic Palace,  
00-330 Warsaw, Poland

---

### Deadline for manuscript submissions

closed (31 December 2025)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.9  
CiteScore 8.3



[mdpi.com/si/137600](https://mdpi.com/si/137600)

*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 3.9  
CiteScore 8.3



[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)