

## Special Issue

# Research on Low-Carbon Energy Buildings

### Message from the Guest Editors

Green construction, not only understood literally, for example, through the prism of "green roofs or facades", but also through the use of thermal or acoustic insulation, contributes to improved housing conditions and meeting user expectations. Building residents are increasingly taking into account the principles of sustainable development in decision making; social expectations (the social aspect) in the field of sustainable construction are thus important considerations for developers. This Special Issue aims to present and disseminate the latest achievements related to sustainable construction in three aspects: economic, ecological and social. Topics of interest for the publication include, but are not limited to:

- Low-carbon construction;
- Methods of assessing economic and ecological benefits;
- Use of renewable energy sources in construction;
- Zero-emission buildings;
- Effectiveness of legal and economic regulations used in construction;
- LCA implementation in generating resource and energy efficiency;
- Ecological solutions in the architecture and infrastructure of cities;
- Environmental revitalization of cities.

---

### Guest Editors

Dr. Janusz Adamczyk

Institute of Management and Quality Sciences, Faculty of Legal and Economic Sciences, University of Zielona Góra, ul. Licealna 9, 65-417 Zielona Góra, Poland

Dr. Robert Dylewski

Institute of Mathematics, Faculty of Exact and Natural Sciences, University of Zielona Góra, ul. Licealna 9, 65-417 Zielona Góra, Poland

---

### Deadline for manuscript submissions

closed (24 October 2024)



## Energies

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/144931](https://mdpi.com/si/144931)

*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)