



## Innovative Design and Research on Solar Thermal Systems

Guest Editors:

**Dr. Teodora Melania Şoimoşan**

Faculty of Civil Engineering,  
Technical University of Cluj-  
Napoca, Constantin Daicoviciu  
Street, No. 15, 400020 Cluj-  
Napoca, Romania

**Dr. Ligia Mihaela Moga**

Department of Civil Engineering  
and Management, Faculty of Civil  
Engineering, Technical University  
of Cluj-Napoca, 400027 Cluj-  
Napoca, Romania

Deadline for manuscript  
submissions:

**closed (31 January 2024)**

### Message from the Guest Editors

This Special Issue covers topics related to the conversion, storage, and harnessing of the **solar energy**, in order to intensify the transition to a cleaner energy consumptions in daily anthropogenic activities related to the energy support of buildings, industry, agriculture, transport, and communications.

Topics and applications of interest for publication include but are not limited to:

- Solar engineering
- Innovative collectors, technologies, and materials
- Design and optimization of solar and hybrid energy systems
- Advanced energy storage systems
- On-grid and off-grid solar applications
- Solar buildings, active and passive
- Infrastructure and parametric urban development
- Buildings and districts' energy efficiency by solar energy harnessing
- Energy efficiency and environmental impact of solar systems
- Energy and carbon footprints
- Energy performance analyses and indicators of performance





# energies



an Open Access Journal by MDPI

## Editor-in-Chief

### **Prof. Dr. Enrico Sciubba**

Department of Mechanical and  
Aerospace Engineering,  
University of Roma Sapienza, Via  
Eudossiana 18, 00184 Roma, Italy

## 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.

## 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 Compindex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

**Journal Rank:** CiteScore - Q1 (Control and Optimization)

## Contact Us

---

*Energies* Editorial Office  
MDPI, St. Alban-Anlage 66  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/energies](http://mdpi.com/journal/energies)  
[energies@mdpi.com](mailto:energies@mdpi.com)  
[X@energies\\_mdpi](https://twitter.com/energies_mdpi)