

## Special Issue

# Thermal Behaviour, Energy Efficiency in Buildings and Sustainable Construction

### Message from the Guest Editor

Given the relevant energy consumption share of the buildings sector, it is important to search for innovative design solutions and for the optimal thermal performance of buildings in order to reduce energy bills and greenhouse gas emissions, while maintaining the comfort levels of the occupants. Additionally, given the environmental burdens of the construction sector, seeking more environmentally responsible processes and a more efficient use of resources is currently attracting more attention. This Special Issue is dedicated to the analysis of the recent advances on the following: (1) thermal behaviour improvement of a building's elements (e.g., walls, floors, roofs, windows, doors, etc.), (2) energy efficiency in buildings, and (3) sustainable construction. All types of the following research approaches are acceptable: experimental, theoretical, numerical, analytical, computational, case studies, and their mixtures. The main criteria for paper acceptance are academic excellence; scientific soundness; and the originality and novelty of applications, methods, fundamental findings, or experiments.

### Guest Editor

Dr. Paulo Santos  
Department of Civil Engineering, University of Coimbra, 3030-788  
Coimbra, Portugal

### Deadline for manuscript submissions

closed (28 February 2021)



## Energies

an Open Access Journal  
by MDPI

Impact Factor 3.2  
CiteScore 7.3



[mdpi.com/si/25390](https://mdpi.com/si/25390)

*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)