



Volume III: Thermal Behaviour, Energy Efficiency in Buildings and Sustainable Construction

Guest Editor:

Dr. Paulo Santos

Department of Civil Engineering,
University of Coimbra, 3030 - 788
Coimbra, Portugal

Deadline for manuscript
submissions:

closed (20 July 2023)

Message from the Guest Editor

The Special Issue will include the following topics:

- Thermal behaviour improvement of a building's components (e.g., walls, floors, roofs, windows, doors, etc.);
- Thermal bridges assessment and mitigation;
- Energy efficiency in buildings;
- Thermal inertia increase techniques (e.g., use of PCMs—phase change materials);
- Building location and climate—air temperature, solar radiation, relative humidity, wind speed and direction, ground temperature, daylight hours, and so on;
- Building envelope—air tightness, thermal insulation, glazed openings, shading, and so on;
- Building services—appliances, illumination, heating, air-conditioning, ventilation, heat recover, hot water production, and so on;
- Human factors—occupancy schedule, utilization type, internal heat gains, and so on;
- Passive heating and cooling techniques—natural ventilation, solar heat gains, Trombe walls, ground source heat exchangers, and so on;
- Renewable energy sources for building applications—solar collectors for domestic hot water production, photovoltaic solar panels, wind turbines, and so on.





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 Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

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