

Special Issue

Thermal Energy Storage and Conversion for Building Applications: Materials and Systems Advancements

Message from the Guest Editors

In this Special Issue, dedicated to the advancement and perspectives of materials and systems for thermal energy storage and conversion technologies for building applications, original research papers, short communications, and reviews are welcome.

Experimental, theoretical, and computational research approaches, as well as a combination of these approaches, are welcome, and contributions can be both in fundamental and applied science, including industrial case studies. Topics of interest for this Special Issue include, but are not limited to, the following:

- Thermal energy storage material and techniques (phase change materials, thermochemical materials, metal hydrate thermal energy storage materials, sensible heat storage, latent heat storage, thermochemical heat storage, or a combination of these), and thermal energy storage material development and characterization;
- Thermal energy grid storage for building applications, either independent or integrated into the renewable system, for energy saving or energy efficiency;
- Thermal energy conversion systems.

Guest Editors

Dr. Emanuela Mastronardo

Department of Engineering, University of Messina, 98166 Messina, Italy

Dr. Andrea Frazzica

Institute of Advanced Technologies for Energy, Italian National Council Research (CNR), 98126 Messina, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

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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

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