

Special Issue

Phase Change Materials for Thermal Energy Storage Applications 2022

Message from the Guest Editors

Successful implementation of new technologies that rely on the use of renewable energy requires the use of thermal energy storage to reduce the mismatch between energy supply and demand. The use of phase change materials is an attractive option to achieve high energy storage density and near-isothermal power supply. Phase change materials can be used for thermal energy storage at different temperature levels in many applications, both in buildings and in industry. The proper design and implementation of the system, its economic feasibility, as well as the reliability of system control strategies are key aspects related to the use of thermal energy storage through phase change materials. This Special Issue aims to encourage researchers to submit innovative proposals and solutions to address one or more of the abovementioned aspects.

Guest Editors

Dr. Gabriel Zsembinski
Dr. Emiliano Borri
Dr. Marilena De Simone

Deadline for manuscript submissions

closed (31 March 2023)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 8.3



mdpi.com/si/105956

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 8.3



[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)