



energies



an Open Access Journal by MDPI

Phase Change Materials for Building Energy Applications

Guest Editors:

Dr. Facundo Bre

Department of Civil and
Environmental Engineering
Sciences, Technical University
Darmstadt, Darmstadt, Germany

Dr. Antonio Caggiano

Department of Civil, Chemical
and Environmental Engineering,
University of Genova, 16145
Genova, Italy

Prof. Dr. Umberto Berardi

Canada Research Chair in
Building Science, BeTOP Lab,
Faculty of Engineering and
Architectural Science, Toronto
Metropolitan University, Toronto,
ON M5B 2K3, Canada

Deadline for manuscript
submissions:

15 September 2024

Message from the Guest Editors

Are you passionate about advancing sustainable building solutions and combatting climate change?

Buildings account for over 30% of global energy consumption and a staggering 40% of greenhouse gas emissions. But fear not! There's a game-changing technology that can make a significant impact—Phase Change Materials (PCMs).

What are PCMs? PCMs are materials that can store and release thermal energy during phase transitions. They hold the key to unlocking a greener future for buildings!

The Potential of PCMs: Improve Building Energy Efficiency; Boost HVAC Equipment Performance; Enhance On-Site Renewable Energy Systems; Reduce Peak Loads; Enhance Indoor Environment Control.

We Want Your Research! Share your latest experimental, theoretical, and numerical findings on the energy applications of PCMs in buildings. Let's work together to create innovative solutions for global energy and climate challenges!

Don't miss this opportunity to be at the forefront of groundbreaking research in energy-efficient buildings. Act now and make a difference!



mdpi.com/si/146970

Special Issue



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, CAPus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

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

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

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