Special Issue

Phase Change Materials and Thermal Energy Storage Systems

Message from the Guest Editor

This Special Issue aims to present and disseminate the most recent advances related to the theory, design, modeling, and application of all kinds of phase change materials and all types of thermal energy systems. Topics of interest for publication include, but are not limited to:

- All aspects of phase change materials and thermal energy storage systems.
- New phase change materials.
- Phase transition enhancement theory and techniques.
- The design and application of thermal energy storage systems.
- Life cycle assessment of thermal energy storage systems.
- Performance analysis of thermal energy storage systems.
- Latent and sensible heat storage.
- The thermal conductivities improvement of phase change materials.
- Heat and mass transfer and fluid flow in thermal energy storage systems.
- The evaluation and optimization of thermal energy systems.
- The modeling of thermal energy storage systems.

Guest Editor

Dr. Jiangwei Liu

School of Energy Science and Engineering, Central South University, Changsha 410083, China

Deadline for manuscript submissions

closed (30 September 2024)

Energies

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 8.3

mdpi.com/si/183908

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

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 8.3

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)