



energies



an Open Access Journal by MDPI

Advanced Solar Technologies and Thermal Energy Storage

Guest Editors:

Dr. Marco Francesconi

Department of Energy, Systems,
Territory and Constructions
Engineering (D.E.S.T.eC),
University of Pisa, 56126 Pisa,
Italy

Dr. Elisa Sani

CNR-INO National Institute of
Optics, Largo E. Fermi 6, I-50125,
Firenze, Italy

Dr. Mario Petrollese

Department of Mechanical,
Chemical and Materials
Engineering, University of
Cagliari, 09124 Cagliari, CA, Italy

Deadline for manuscript
submissions:

31 December 2024

Message from the Guest Editors

As widely recognized in the literature, solar energy is a renewable, abundant, widely distributed, and sustainable renewable source. For these reasons, solar technologies represent a potential strategy for decarbonization to ensure greener energy production. Nonetheless, the main drawback of solar energy is its intermittent behavior that changes with the alternation of day and night, weather conditions, and seasons, thus requiring heat storage to alleviate this limit.

This special issue, "Advanced Solar Technologies and Thermal Energy Storage", focuses on studies of different uses of solar energy, possibly coupled with heat storage systems, to improve the spread of solar technologies and define their state of the art in different research fields. For this reason, original papers, reviews, and perspective papers that discuss solar technologies and their uses are welcome.



mdpi.com/si/188980

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, CAPlus / 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://twitter.com/energies_mdpi)