Special Issue

Advanced Solar Technologies and Thermal Energy Storage

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.

Guest Editors

Dr. Marco Francesconi

Dr. Elisa Sani

Dr. Mario Petrollese

Deadline for manuscript submissions

closed (30 May 2025)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/188980

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 3.2
CiteScore 7.3

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)

MDPI