



Advances in Photovoltaic/Solar Collectors and Their Potential for an Industrial Decarbonization

Guest Editor:

Dr. Bruno D. Tibúrcio

CEFITEC, Physics Department,
NOVA School of Science and
Technology, 2829-516 Caparica,
Portugal

Deadline for manuscript
submissions:

25 February 2025

Message from the Guest Editor

Dear Colleagues,

Advances in solar collectors and solar energy concentration enable not only a massive scaling in energy production but also can lead to industrial decarbonisation.

This Special Issue is intended to collect original research works, reviews and case studies on innovative technology developments to maximize the collection efficiency of different energy generation systems. The topics of interest for publication include, but are not limited to, the following:

- New progresses in solar collectors to maximize the collection efficiency of different energy generation systems.
- Advancements in the solar collection and concentration efficiency.
- PV technology/solar collectors and their potential applications for a low-carbon industry.
- Improved solar tracking for energy-production systems.
- Developments in solar cells for PV technology.
- Solar-pumped lasers.
- Solar energy collectors for hydrogen production.
- Integrated operation of solar collectors, energy storage and potential industrial applications.





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 (Control and Optimization)

Contact Us

Energies Editorial Office
MDPI, Grosspeteranlage 5
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)