

Special Issue

Advanced Technologies of Solar Cells: 2nd Edition

Message from the Guest Editors

We are inviting submissions to a Special Issue of *Energies* on the subject area “*Advanced Technologies of Solar Cells*”. This Special Issue aims to provide an overview of the recent technology advancements in the fabrication of solar cells. Relevant experimental and theoretical papers related to the above-mentioned topic are welcome, including, but not limited to, perovskite solar cells, dye-sensitized solar cells, organic/inorganic cells, Si, CdTe, CIGS, and tandem devices. Papers submitted to this Special Issue will be subject to a meticulous peer-review process with the goal of fast and effective dissemination of research results, developments, and applications. Keywords

- emergent solar cells
- tandem devices
- materials
- modelling
- design
- upscaling
- prototyping

Guest Editors

Dr. Luísa Andrade

LEPABE—Laboratory for Process Engineering, Environment, Biotechnology and Energy, ALiCE—Associate Laboratory in Chemical Engineering, Faculty of Engineering, University of Porto, 4200-465 Porto, Portugal

Dr. Vera C. M. Duarte

1. LEPABE—Laboratory for Process Engineering, Environment, Biotechnology and Energy, Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal
2. ALiCE—Associate Laboratory in Chemical Engineering, Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal

Deadline for manuscript submissions

closed (26 March 2026)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/196388

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

[mdpi.com/journal/
energies](https://mdpi.com/journal/energies)





Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



[mdpi.com/journal/
energies](https://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)