

Special Issue

Advances on Performance, Evaluation and Applications of Solar Thermal and Solar Hybrid PV-T Collectors

Message from the Guest Editors

Efficient use of solar energy is key for the worldwide transformation of the energy system to deal with the global energy crisis and climate change. With heat accounting for about half of the global energy demand, Solar Thermal and Solar Hybrid PV-T collectors appear as potential technologies to meet a significant proportion of the global heat needs through renewable heat. Moreover, their modularity allows their integration into urban environments, which is of great importance due to the large energy losses incurred when heat is transported. This SI addressing, but not limited to, any of the topics below are welcome:

- New designs / optimization / performance assessment / forecasting methods of solar thermal and/or solar hybrid PV-T collectors
- Performance and evaluation of solar thermal and/or solar hybrid PV-T collectors integrated into wider systems
- Applications of solar thermal and/or solar hybrid PV-T systems, such as combined heating, power and/or cooling in buildings, solar desalination, solar for hydrogen production or solar drying
- Technical, economic, cost, environmental and/or policy assessments of solar thermal and/or PV-T systems

Guest Editors

Dr. María Herrando

Aragon Institute of Technology (ITAINNOVA), 50018 Zaragoza, Spain

Prof. Dr. Alba Ramos Cabal

Escola Tècnica Superior d'Enginyeria Industrial de Barcelona (ETSEIB),
Universitat Politècnica de Catalunya, Barcelona, Spain

Deadline for manuscript submissions

closed (31 March 2022)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



mdpi.com/si/84090

Energies

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 3.0
CiteScore 6.2



[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)