

Special Issue

Solar Energy and Resource Utilization—2nd Edition

Message from the Guest Editors

Reducing the release of greenhouse gas into the atmosphere is challenging the energy world to decrease CO₂ emissions and increase the share of renewable energies, particularly in light of recent geo-social events. Concentrating solar power (CSP) technologies may play a key role in the rich and diversified portfolio of renewable energy sources. These technologies, coupled with energy storage, can greatly enhance the dispatchability and the exploitation of solar energy in various applications. This Special Issue is open to contributions from the wide and exciting spectrum of topics concerning solar TCES (possibly coupled with means for CO₂ capture), from material properties to experimental/modelling investigations, from studies focusing on the design/operation of chemical reactors, to those more devoted to energy/environmental analyses. Please join us on this new journey by contributing your expertise and knowledge to studies in this emerging field.

Guest Editors

Prof. Dr. Fabio Montagnaro

Department of Chemical Sciences, University of Naples Federico II,
80126 Naples, Italy

Dr. Roberto Solimene

Institute of Sciences and Technologies for Sustainable Energy and
Mobility (STEMS), National Research Council (CNR), 80125 Napoli, Italy

Deadline for manuscript submissions

29 August 2025



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/233167

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)