

Special Issue

Materials for the Renewable Technologies: Challenges, Opportunities and Recent Advances

Message from the Guest Editors

We invite all researchers to publish their original research, whether it is purely fundamental or application-oriented, in the forms of research papers, reviews, or short communications. The proposed topics are listed below.

- Supercapacitors.
- Photovoltaic Cells.
- Fuel cells (including polymer electrolyte membrane, molten salt, solid oxide fuel cells etc.).
- Lithium batteries (including Li-ion, Li-sulfur, Li-metal, Li-air, all-solid-state batteries etc.).
- Beyond lithium batteries (including different chemistries such as Na, K, Mg, Al Batteries).
- Redox flow batteries.
- Renewable technologies recycling.

We kindly invite you to submit your relevant work in the field of “Materials for the Renewable Technologies: Challenges, Opportunities and Recent Advances” for consideration for publication.

Guest Editors

Dr. Maziar Ashuri

Department of Mechanical, Materials, and Aerospace Engineering,
Illinois Institute of Technology, Chicago, IL 60616, USA

Dr. Zhao Ding

College of Materials Science and Engineering, Chongqing University,
Chongqing 400044, China

Deadline for manuscript submissions

closed (14 February 2025)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/113065

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)