

Special Issue

Energy Saving, Efficiency, and Conversion in Renewable and Sustainable Energy

Message from the Guest Editors

The international context of the energy transition is extremely challenging. To comply with the Paris Agreement targets and the COP28 and COP29 pledges (tripling renewables, doubling the energy efficiency improvement rate, and increasing the grid and electric storage capacity) requires a huge international effort. Despite the possible exit of the United States from the Paris Agreement, many countries in the world, including China and the European Union, are both committed to pursue such targets, although with different approaches. The UE aims to be at the forefront of this effort, having recently approved several directives and regulations aimed at supporting the energy transition, mainly focusing on energy saving, supporting renewables, and ensuring energy and materials supply. Similarly, but in a much more concrete way, China has set its zero-emission target for 2060 and is the main supplier of materials, systems, and facilities for the energy transition. China is still the biggest coal and oil consumer in the world, but has recently produced a huge effort in terms of renewables deployment.

Guest Editors

Dr. Giacomo Bruni

Ente Per Le Nuove Tecnologie, l'Energia e l'Ambiente, Via Anguillarese 301, 00123 Rome, Italy

Dr. Antonio D'angola

Department of Engineering, University of Basilicata, Via dell'Ateneo Lucano, 10-85100 Potenza, Italy

Deadline for manuscript submissions

12 June 2025



Energies

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 6.2



mdpi.com/si/225644

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 Aerospace Engineering, University of Roma Sapienza, Via Eudossiana 18, 00184 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)