

Special Issue

Green Hydrogen and Fuel Cells: Heading Toward a Sustainable Energy Future

Message from the Guest Editor

The purpose of this Special Issue is to address the potential of hydrogen and fuel cell technologies as powerful enablers of a sustainable energy future. We invite original manuscripts presenting recent advances in this area, with a special reference to the following topics:

- Hydrogen production, storage and distribution;
- Geological hydrogen storage and natural hydrogen exploitation;
- Hydrogen and fuel cells in the energy and transport sectors;
- Hydrogen as a feedstock in industry;
- Materials for H₂ and FC systems;
- Integrated systems and technoeconomic aspects of a hydrogen economy;
- Hydrogen and fuel cell safety, regulations, codes and standards;
- Green ammonia production, cracking and fuel cells.

Guest Editor

Dr. Emmanuel Stamatakis

Foundation for Research and Technology—Hellas (FORTH), Institute of Geoenergy (IG), Building M1, University Campus, 73100 Chania, Greece

Deadline for manuscript submissions

closed (20 July 2025)



Energies

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 7.3



mdpi.com/si/210184

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)