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

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Deadline for manuscript submissions

closed (20 October 2025)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/210184

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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.

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