

Special Issue

Techno-Economic Evaluation of Hydrogen Energy

Message from the Guest Editors

The aim of this Special Issue is to collect scientific contributions focused on critical aspects of hydrogen's implementation as an energy carrier, from the process design point of view. The purpose is to emphasize the technological developments required for hydrogen to play a central role in the future energy landscape. We welcome original research articles, review papers, and case studies related, but not limited to:

- Sustainable H₂ production;
- Advances in electrolyzers for green H₂ production;
- H₂ transport through H₂ carriers;
- Techno-economic assessment of H₂ value-chains;
- H₂ purification for its application industrial and mobility sectors;
- Process intensification for cost drivers of H₂ value chains.

Guest Editors

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Prof. Dr. Giorgio Vilardi
Dr. Domenico Flagiello

Deadline for manuscript submissions

closed (20 June 2026)



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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.

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