Special Issue

Transitioning to Green Energy: The Role of Hydrogen

Message from the Guest Editors

This Special Issue aims to widely explore the role of hydrogen in the green energy transition, as well as its advantages, challenges, and future potential. Topics of interest for publication include, but are not limited to, the following:

- Green hydrogen in the decarbonization of heavy industry.
- Technical, technological, and economic problems of green hydrogen utilization in different applications.
- Green hydrogen as a buffer for renewable energy systems.
- Problems of hydrogen application in fuel cell electric vehicles.
- The role of hydrogen in climate change mitigation.
- Hydrogen—challenges to overcome to reshape the global energy system.
- The role of international cooperation in building a cross-border value chain of hydrogen.
- The value of green hydrogen production for increasing energy security and independence.
- Costs and efficiency issues in green hydrogen production.
- The hydrogen international market.
- The development of infrastructure for hydrogen.
- Government incentives and international coordination for hydrogen development.
- R&D and investment directions to increase hydrogen potential.

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Deadline for manuscript submissions

25 December 2026

Energies

an Open Access Journal by MDPI

Impact Factor 3.9
CiteScore 8.3

mdpi.com/si/244681

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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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