Special Issue

Recent Advances in Hydrogen Technologies: Production, Storage and Utilization

Message from the Guest Editors

Researchers and scientists are invited to submit original research articles, review papers and case studies that contribute to the understanding and advancement of hydrogen-related technologies. Relevant topics include the following:

- Novel methods for sustainable hydrogen production.
- Advances in water electrolysis, photoelectrochemical processes and biological hydrogen production.
- Innovative storage solutions for hydrogen.
- Efficient and safe methods for hydrogen transportation.
- Hydrogen fuel cells for various applications.
- Integration of hydrogen into existing energy systems.
- Hydrogen as a key player in decarbonizing industries.
- Advances in materials for hydrogen production, storage and utilization.
- Technological developments enhancing the efficiency and durability of hydrogen-related systems.
- Policy frameworks promoting hydrogen adoption.
- Economic analyses and business models related to hydrogen technologies.

Guest Editors

Dr. Rajender Boddula
Dr. Lakshmana Reddy Nagappagari
Dr. Noora Al-Qahtani

Deadline for manuscript submissions

closed (30 June 2025)

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About the Journal

Message from the Editor-in-Chief

Hydrogen aims to be an advanced forum for scientists and engineers worldwide to share, promote and disseminate their fundamental discoveries and research innovations in the field of hydrogen science and technology as well as their studies regarding the market and socio-economic prospects of Hydrogen economy. The topics of interest include (but are not limited to): Hydrogen generation; Hydrogen storage; Hydrogen transport, distribution, and infrastructure; Hydrogen use; Reactions with hydrogen; Hydrogen applications; Fundamental aspects such as thermodynamics, properties, isotopes, compounds, phases, atomic and molecular hydrogen.
We hope to receive your finest work for publication in this journal and welcome your comments and suggestions on how to make *Hydrogen* an exceptional journal.

Editor-in-Chief

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