Special Issue

Improving Hydrogen Safety for Energy Applications

Message from the Guest Editor

Dear colleagues, Hydrogen energy stands at the forefront of the transition to sustainable energy solutions and is poised to play a vital role in shaping a carbon-neutral future. Meanwhile, scientists, engineers, and producers must recognize the crucial challenges in hydrogen energy use, such as hydrogen safety. Hydrogen safety is the key factor restricting the large-scale application of hydrogen energy, so it is necessary to deeply explore the innovation and safety research of hydrogen equipment. Offering an open and professional communication platform, this Special Issue, "Improving Hydrogen Safety for Energy Applications", aims to promote the discussion and communication of the latest and forefront ideas, technological innovation, and forecasts in themes and areas related to hydrogen equipment and safety. It expects articles focusing on the following five themes:

- Hydrogen flow and heat transfer;
- Hydrogen leakage and diffusion;
- Risk assessment of hydrogen energy equipment;
- Technology for hydrogen storage and transportation;
- Hydrogen energy equipment test, design, and manufacture.

We look forward to considering your submissions.

Guest Editor

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Deadline for manuscript submissions

closed (20 July 2025)

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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.

Editor-in-Chief

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