



energies

an Open Access Journal by MDPI



Unconventional Hydrogen Applications and Systems

Guest Editor:

Dr. Arash Badakhsh

Power Networks Demonstration
Centre, University of Strathclyde,
Glasgow G1 1XQ, UK

Deadline for manuscript
submissions:

31 August 2024

Message from the Guest Editor

Dear Colleagues,

The energy sector is transitioning to use hydrogen as the main vector to replace fossil fuels. Hydrogen is a promising molecule that can store energy with a high density (33.33 kWh/kg by lower heating value). However, what happens to all the fossil fuel resources we are left with? And where can we actually apply hydrogen to replace fossil fuels?

To attempt to answer these significant questions, this platform mainly aims to collect and report data from unconventional and novel applications of hydrogens, including disruptive systems for hydrogen production from unconventional sources of energy like nuclear, hydropower, tidal and wave energy. Moreover, the application of hydrogen for decarbonising underrated but highly emitting sectors like domestic, aviation, etc. requires further investigation before large-scale deployment. This special issue is a great opportunity for novel industrial projects on the feasibility of unconventional hydrogen applications and systems.

Dr. Arash Badakhsh
Guest Editor



mdpi.com/si/184964

Special Issue



energies



an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: CiteScore - Q1 (*Engineering (miscellaneous)*)

Contact Us

Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/energies
energies@mdpi.com
[X@energies_mdpi](https://x.com/energies_mdpi)