

Special Issue

Unconventional Hydrogen Applications and Systems

Message from the Guest Editor

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.

Guest Editor

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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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