



## Unconventional Hydrogen Applications and Systems

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### 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*





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## Message from the Editor-in-Chief

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