Special Issue

Frontiers in Hydrogen Technologies

Message from the Guest Editor

Renewable energy agencies around the world are investing money in the direction of buildings for the green zero-emissions future through the use of green or blue hydrogen. Funding rounds and investments worldwide are expected to play a significant role in supporting commercial-scale deployments of renewable hydrogen and facilitating cost reductions in production–storage–utilisation of hydrogen technologies. The IEA report has found that clean hydrogen is currently enjoying unprecedented political and business momentum with the number of policies and projects around the world expanding rapidly. Now is the time to scale up technologies and bring down costs to allow hydrogen to become widely used. The pragmatic and actionable recommendations that are provided to governments and industry will make it possible to take full advantage of this increasing momentum. Finally, educational materials should be developed and spread green knowledge about fuel cells and hydrogen in schools and beyond. For a practice-oriented and holistic science education, curiosity and excitement about renewable energy can be fostered through science, technology, engineering, and mathematics (STEM).

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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