Special Issue

Green Hydrogen Production and Storage

Message from the Guest Editors

Hydrogen is increasingly considered an important player in international strategies for the decarbonization of different sectors, from industry to power generation and transport. Research projects and industrial applications are addressing different components of the hydrogen pathways, which include production, storage, transmission, distribution, and final uses. The main pathway for the production of green hydrogen is based on power to gas (P2G) technologies, where renewable electricity is used for water electrolysis. Apart from electrolysis, researchers and various industry players are working to develop and produce green hydrogen using multiple sources, methods, and technologies, including thermochemical and biological processes. The production cost is a major barrier to the widespread use of green hydrogen. This Special Issue aims to encourage scientists, engineers, and researchers to address current state-of-the-art technologies, models, and solutions focused on the different green hydrogen pathways including production and storage systems.

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Message from the Editor-in-Chief

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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