Special Issue

Sustainable Development of Fuel Cells and Hydrogen Technologies

Message from the Guest Editor

One of the most important pillars upon which the Green Transition is based for future global sustainable development is energy production from fuel cells using hydrogen. The increasingly stringent air pollution and climate change legislations that are being adopted by all countries have paved the way for the widespread application of hydrogen and fuel cell technologies. As a result, the scientific community is focusing its efforts on the development of advanced fuel cells that have higher power output in order to reduce the cost of electricity production and allow hydrogen energy to conquer the global energy market. Moreover, advances in green hydrogen technologies such as storage, transportation, electrolyzers, and purifiers have opened the way for the implementation of Hydrogen in all sectors of the industrial production process, i.e., power generators, steam boilers, the marine industry, aviation, etc. This Special Issue aims to bring together innovations in the Sustainable Development of Fuel Cells with Hydrogen Technologies in order to further increase the impact of hydrogen on the global energy market.

Guest Editor

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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.

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