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Environmental Aspects and Impacts of Hydrogen Technologies

Guest Editors:

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Deadline for manuscript submissions:
closed (31 March 2022)

Message from the Guest Editors

Dear Colleagues,

There is a revolution taking place in the energy sector, where hydrogen is now considered a pivotal clean energy carrier for the future, playing a key role in enabling this energy transition. The current post-pandemic policies tend to foster the much-needed energy transition towards an economic development decoupled from fossil fuels. A future hydrogen-based economy will require H2 production through different technological pathways, using a wide range of feedstocks and energy sources. Besides production, along the entire supply chain hydrogen needs to be stored, distributed, and finally used.

The main goal of this Special Issue is to deepen the understanding of the potential economic, social and environmental impacts of the most recent advancements in the field of hydrogen technologies and their applications, involving hydrogen production, storage, distribution, and final usage.

Articles including recent analyses on the social, environmental and economic aspects of novel and emerging technologies, and future trends in the field of sustainable hydrogen production, storage, and utilization as an energy resource, are highly encouraged.

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Message from the Editor-in-Chief

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