

Special Issue

Environmental Aspects and Impacts of Hydrogen Technologies

Message from the Guest Editors

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.

Guest Editors

Dr. Viviana Cigolotti

ENEA Italian National Agency for New Technologies, Energy and Sustainable Economic Development, Department of Energy Technologies and Renewable Energy Sources, Laboratory of Energy Storage, Batteries and Technologies for Hydrogen Production, Conversion and Use (TERIN-PSU-ABI), 00123 Rome, Italy

Dr. Angelo Basile

Laboratory of Inorganic Membrane Reactors for Pure Hydrogen Production, Institute of Membrane Technology (ITM) of the Italian National Research Council (CNR), Cubo 17/C, 87036 Rende CS, Italy

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University
Niccolò Cusano, 00166 Roma, Italy

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