

Special Issue

Hydrogen: Production, Storage and Uses

Message from the Guest Editor

The Special Issue “Hydrogen: Production, Storage, and Uses” is dedicated to publishing high-quality and original research in the field of hydrogen and fuel cells in the global energy system. The status of hydrogen as a clean, flexible energy carrier will be discussed. The main objective of this Special Issue is to publish outstanding papers presenting cutting-edge advances in the field of hydrogen production, storage, and utilisation involving conventional and emerging technologies. The journal aims to explore key challenges in the development of all aspects of the hydrogen economy. Papers on safety considerations, potential regulations, and education in all aspects of hydrogen are also welcome. The main topics covered by this Special Issue are scientific contributions on the following research topics: Hydrogen production methods Hydrogen storage methods Hydrogen separation and purification Hydrogen infrastructure Hydrogen applications Modelling for hydrogen systems and fuel cells New materials for all areas of the hydrogen economy

Guest Editor

Prof. Dr. Magdalena Dudek

Faculty of Energy and Fuels, AGH University of Science and Technology, Av. Mickiewicza 30, 30-059 Kraków, Poland

Deadline for manuscript submissions

closed (25 January 2022)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/46938

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

mdpi.com/journal/

[appls](https://appls.mdpi.com)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

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.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)