Special Issue

Energy Transition and Hydrogen: Challenges and Opportunities

Message from the Guest Editors

Hydrogen can represent a key factor for the underlining transition toward clean technologies for more sustainable production and consumption. The ability of hydrogen to link different energy sectors and energy transportation and distribution networks can increase the operational flexibility of future low-carbon energy systems. Moreover, hydrogen as material can be used in industrial processes to enhance their sustainability, as in the steel industry, where hydrogen metallurgy, which adopts hydrogen as the reduction agent instead of carbon to reduce the iron oxides, has been receiving growing attention. This multidisciplinary Special Issue welcomes original articles on hydrogen from a variety of research fields, covering the whole supply chain, from production to utilization, embracing technological, economic, and social dimensions.

Guest Editors

Prof. Dr. Antonella Meneghetti

Department of Polytechnic Engineering and Architecture, University of Udine, 33100 Udine, Italy

Dr. Patrizia Simeoni

DPIA-Polytechnic Department of Engineering and Architecture, University of Udine, 33100 Udine, Italy

Deadline for manuscript submissions

closed (15 January 2024)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/91470

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

mdpi.com/journal/ sustainability





Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



About the Journal

Message from the Editor-in-Chief

I encourage you to contribute a research or comprehensive review article for consideration for publication in Sustainability, an international open access journal which provides an advanced forum for research findings in areas related to sustainability and sustainable development. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sustainability and fostering initiatives and applications of sustainability-based measures and activities.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, SCIE and SSCI (Web of Science), GEOBASE, GeoRef, Inspec, RePEc, CAPlus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Geography, Planning and Development)

