

Special Issue

Green and Clean Hydrogen Production

Message from the Guest Editor

Global warming has shifted the world's energy focus to green and clean energy. Hydrogen energy, with its zero pollution, high energy density, abundant resources, and wide range of uses, is considered to be the key part of energy industry transformation and plays an important role in the world's energy system. Hydrogen production technology is the foundation for the development of the hydrogen energy industry, and it is an important link in realizing hydrogen energy applications. This Special Issue considers all aspects of experimental techniques, numerical simulations, applications, and basic research related to green and clean hydrogen to replace fossil fuels and reduce greenhouse gas emissions, thus contributing to sustainable development. More hydrogen production programs are underway or planned to promote green hydrogen energy. Green hydrogen produced from renewable energy sources such as solar and wind power not only eliminates carbon emissions but also reduces the cost of hydrogen production. In addition, we are considering related research on hydrogen utilization to improve resource utilization.

Guest Editor

Dr. Huaming Dai

School of Safety Science and Emergency Management, Wuhan University of Technology, Wuhan 430070, China

Deadline for manuscript submissions

closed (22 November 2024)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



mdpi.com/si/179316

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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



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)