Special Issue

Life Cycle Assessment of Hydrogen Fuel Production, Storage and Utilization

Message from the Guest Editors

This Special Issue serves as a platform to host research and develop a comprehensive collection of works related to sustainability analyses of hydrogen fuel production, storage, and utilization. The Issue welcomes all works relating to life cycle assessment, life cycle cost analysis and environmental profile development for hydrogen production methods, both pioneering new production technologies at the pilot or bench scale as well those relating to large-scale big data sets. Any aspect of production, storage and utilization or their combination thereof is appreciated. We invite works addressing life cycle analysis for hydrogen application in a variety of fields, such as refinery, chemicals, nuclear and metallurgy, among others. Similarly, singular works providing insights into infrastructure, logistics and storage are also welcome in this Special Issue. The authors are welcome to reach out with their submissions on any of the topics or others that may be suitable for the theme.

Guest Editors

Dr. Adarsh Bafana

Energy Systems, Argonne National Laboratory, Lemont, IL 60439, USA

Dr. Shishir Vaibhav Kumar

Energy Systems, Argonne National Laboratory, Lemont, IL 60439, USA

Deadline for manuscript submissions

closed (31 October 2023)



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/117143

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. *Sustainability* publishes original research articles, review 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. Marc A. Rosen

Faculty of Engineering and Applied Science, University of Ontario Institute of Technology, Oshawa, ON L1G OC5, Canada

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)

