

Special Issue

Sustainable Development of the Renewable Energy and Hydrogen Technologies

Message from the Guest Editors

Reaching carbon neutrality within the coming few decades is a major global challenge. At the same time it presents an opportunity to transition to abundant, clean and sustainable energy for all. Renewable energy and hydrogen technologies will play the key roles in this transition. This said, there are still major technological challenges to confront and overcome before achieving a global sustainable, dependable and affordable energy supply that covers the needs for power and heat supply, transportation and industry. Several key technologies must yet reach higher technological maturity and cost reductions, while the dependence on critical materials must be drastically reduced and the transition to a circular economy accelerated. Furthermore, renewable energy and hydrogen infrastructure rollout must go hand in hand with growing digitalization. The purpose of the special issue “Sustainable Development of Renewable Energy and Hydrogen Technologies” is to put these challenges under the magnifying glass and discuss required solutions, measures and policies.

Guest Editors

Dr. Rajendra Singh Adhikari

Department of Architecture, Built Environment and Construction Engineering, Politecnico di Milano, Via Giuseppe Ponzo 31, 20133 Milan, Italy

Dr. Ghassan Zubi

HyStandards GmbH, 82131 Gauting, Germany

Dr. Pravin Kannan

Independent Researcher, Abu Dhabi, United Arab Emirates

Deadline for manuscript submissions

30 November 2026



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 8.9



mdpi.com/si/260207

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 8.9



[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)