

Special Issue

Decarbonization of Energy and Materials for Sustainable Development

Message from the Guest Editor

Global warming is a real threat for the society. Energy produces from nonrenewable energy sources enhanced CO₂ emission globally and thus it is a key concern for the global warming/climate change and decarbonization. Furthermore, materials processing for multifunctional applications are also emit CO₂. Sustainable materials are advancing rapidly to achieve zero-carbon legislation targets. From the environmental perspective, the deployment of urban and futuristic sustainable materials technologies is essential. Thus, decarbonization of energy and materials are much sought after for the sustainable development.

Guest Editor

Dr. Yasukazu Kobayashi

Renewable Energy Research Centre, National Institute of Advanced Industrial Science and Technology, 2-2-9 Machikikedai, Koriyama, Fukushima 963-0298, Japan

Deadline for manuscript submissions

closed (30 October 2025)



Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



[mdpi.com/si/201344](https://www.mdpi.com/si/201344)

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

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





Sustainability

an Open Access Journal
by MDPI

Impact Factor 3.3
CiteScore 7.7



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

