Special Issue

Renewable Energy and Environment Protection: Greenhouse Gas Emissions, Liquid Fuels from Carbon Dioxide, and Biofuels

Message from the Guest Editors

The overall focus of this issue is to document the recent progress achieved in renewable energy research and in environment protection. Scope: The issue covers a wide range of topics, including energy optimization in industrial processes, the development of innovative technologies, such as DAC, green hydrogen production, and the integration of AI in energy systems. It also explores the implications of these technologies for reducing carbon footprints and promoting environmental sustainability. Purpose: The purpose of this Special Issue is to provide a comprehensive overview of the latest technological and strategic developments in the field of renewable energy. By linking these advancements with global efforts in environmental protection, the issue aims to foster a deeper understanding of the critical role that these technologies play in the global transition toward a cleaner, more sustainable energy landscape.

Guest Editors

Prof. Dr. Daniel A. Lowy

Keleti Károly Faculty for Business and Management, Óbuda University, 1084 Budapest, Hungary

Dr. Jesus R. Melendez

Faculty of Technical Education for Development, Catholic University of Santiago of Guayaguil, Guayaguil 090615, Ecuador

Deadline for manuscript submissions

31 January 2026



Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3 CiteScore 7.7



mdpi.com/si/217990

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)

