



Sustainable Management of Energy and Environment Based on Life Cycle Assessment

Guest Editors:

Dr. Ben Kolosz

Energy and Environment
Institute, University of Hull, Hull
HU6 7RX, UK

Dr. Martin Taylor

School of Engineering, Chemical
Engineering, University of Hull,
Hull HU6 7RX, UK

Deadline for manuscript
submissions:

24 June 2024

Message from the Guest Editors

Dear Colleagues,

In order to keep global temperatures to within 1.5C, approximately 10Gt of CO₂ removal must occur every year up until 2050. This is mainly due to difficulties in reducing emissions in hard-to-decarbonise industries. These include Steel, Cement, Chemicals, Energy and power providers and infrastructure. This Special Issue is dedicated to quantifying the environmental and socio-economic performances of global CDR pathways. Original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- CO₂ mineralization;
- Ocean alkalinity enhancement;
- Soil carbon sequestration;
- Improved forest management, afforestation and reforestation;
- Coastal blue carbon;
- Biochar;
- Biomass energy with carbon capture and storage (BECCS) and Biomass with Carbon Removal and Storage (BiCRS);
- Direct Air Capture (DAC);
- Geological sequestration.

We look forward to receiving your contributions.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Marc A. Rosen

Faculty of Engineering and
Applied Science, University of
Ontario Institute of Technology,
Oshawa, ON L1G 0C5, Canada

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.

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](#), [AGRIS](#), [RePEc](#), [CAPlus / SciFinder](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Environmental Studies*) / CiteScore - Q1 (*Geography, Planning and Development*)

Contact Us

Sustainability Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/sustainability
sustainability@mdpi.com
[X@Sus_MDPI](#)