

## Special Issue

# Sustainable Management of Energy and Environment Based on Life Cycle Assessment

### Message from the Guest Editors

In order to keep global temperatures to within 1.5C, approximately 10Gt of CO<sub>2</sub> 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:

- CO<sub>2</sub> 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.

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### Guest Editors

Dr. Ben Kolosz

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

Dr. Martin J. Taylor

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

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### Deadline for manuscript submissions

closed (27 December 2024)



## Sustainability

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Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[sustainability@mdpi.com](mailto:sustainability@mdpi.com)

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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.

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### 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

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