

## 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

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### Deadline for manuscript submissions

closed (27 December 2024)



## Sustainability

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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. 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.

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## Editor-in-Chief

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