



Carbon Cycling in the Terrestrial Environment and Environmental Sustainability

Guest Editor:

Prof. Dr. Tsung-chow Su

Department of Ocean and
Mechanical Engineering, Florida
Atlantic University, 777 Glades
Road, Boca Raton, FL 33431, USA

Deadline for manuscript
submissions:

5 April 2025

Message from the Guest Editor

We are delighted to announce a new Special Issue of the journal *Sustainability*, entitled "Carbon Cycling in the Terrestrial Environment and Environmental Sustainability". This issue explores carbon fluxes in natural and engineered settings, contributing to climate change mitigation and sustainable land management. Aligning with the journal's goal, this Special Issue enhances scientific understanding of global change and sustainable development.

In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

1. Soil carbon sequestration;
2. Land use change and carbon fluxes;
3. Carbon allocation in plants;
4. Microbial contributions to carbon cycling;
5. Carbon–nitrogen interactions;
6. Quantifying carbon stocks and fluxes;
7. Economic and social implications of carbon cycling practices;
8. Vertical agriculture for carbon management.





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](https://twitter.com/Sus_MDPI)