Special Issue

Soil Carbon Cycle and the Response to Global Change

Message from the Guest Editors

Soil carbon cycles have prominent impacts on soil quality and atmospheric carbon concentrations. The exchanges of carbon between soil and the atmosphere and biosphere affect—and are affected by—global change. Despite considerable scientific attention in recent decades, the magnitude and direction of soil carbon cycles under global changes remains a challenging area for investigation. To promote the understanding of soil carbon cycles and their responses to global change, this Special Issue welcomes the submission of papers that study the translocation, transformation, sequestration, and mineralization of soil carbon, as affected by changing temperatures, precipitation, land use, and human activities. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Soil carbon sequestration;
- Carbon emission from soil to atmosphere;
- Effects of soil erosion on soil carbon cycles;
- Tracing of translocated soil carbon;
- Response of soil carbon dynamics to climate change;
- Effects of soil carbon cycles on the ecosystem.

We look forward to receiving your contributions.

Guest Editors

Dr. Xiaodong Nie

School of Geographic Sciences, Hunan Normal University, Changsha 410081, China

Dr. Jinquan Huang

Soil and Water Conservation Department, Yangze River Scientific Research Institute, Wuhan 430010, China

Deadline for manuscript submissions

closed (30 April 2023)

Sustainability

an Open Access Journal by MDPI

Impact Factor 3.3
CiteScore 7.7

mdpi.com/si/121676

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

mdpi.com/journal/sustainability

MDPI

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. *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.

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

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)