

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

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Deadline for manuscript submissions

closed (30 April 2023)



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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. 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.

Editor-in-Chief

Prof. Dr. Steve W. Lyon

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