Special Issue

Frontiers in Soil Carbon Sequestration in Grasslands, Agriculture and Forests

Message from the Guest Editors

Soil carbon pool is the largest carbon pool in the terrestrial ecosystem. Enhancing soil carbon sequestration capacity is an important way to slow down the increase in atmospheric CO2 concentration. It is also an important indirect emission reduction means to achieve the strategic goal of "carbon neutrality". Grassland, agriculture, and forests are the most important carbon pools of the terrestrial ecosystem. Under global climate change and human disturbance. the trigger, response, adaptation, and feedback process and mechanism of soil carbon in grassland, agriculture. and forest are still unclear. More specifically, how carbon seguestration changes, where carbon sinks originate, and which projects should be strengthened to increase carbon sequestration are still largely unclear. Frontiers in soil carbon sequestration in grassland, agriculture, and forests will provide scientific basis and theoretical support for accomplishing the global new carbon neutrality pledge.

We invite papers from researchers to share findings from a field experiment (multiple sites), large-scale transect survey, combined with remote sensing products. Long-term research results are welcome.

Guest Editors

Dr. Juejie Yang

Prof. Dr. Shikui Dong

Prof. Dr. Lin Liu

Prof. Dr. Fei Li

Deadline for manuscript submissions

closed (25 February 2023)



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Sustainability
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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. 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

School of Environment and Natural Resources, Ohio State University, Columbus, OH 43210, USA

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