

Special Issue

Research on Soil Carbon Dynamics at Different Scales on Agriculture

Message from the Guest Editors

We invite submissions that mainly assess the available knowledge and evidence on the soil organic carbon dynamics, carbon pool and carbon sequestration potential of various ecosystems (e.g., agriculture, grassland and wetland ecosystems and land cover and use change) across a wide range of disciplines (e.g., agronomy, ecology, biology, geomorphology, hydrology, and geographic information science). They can be based on simulated/manipulative experiments, field observational, modeling, and meta-analytic techniques. Research areas may include, but are not limited to, the following:

- 1) Effects of environmental factors on agricultural soil carbon dynamics, carbon sequestration and carbon storage;
- 2) The influence and mechanism of species heterogeneity and population/ community structure change (including plants, animals, and microorganisms) on soil carbon cycling;
- 3) Linkages between agricultural soil carbon cycling and other elements (such as nitrogen, phosphorus, sulfur, and silicon);
- 4) The effects of land use change and cover on soil carbon dynamics;
- 5) Conservation and restoration solutions to improve the ecological services of soil and enhance carbon sink function.

Guest Editors

Dr. Qiang Wang

State Key Laboratory of Herbage Improvement and Grassland Agro-Ecosystems, College of Pastoral Agriculture Science and Technology, Lanzhou University, Lanzhou 730020, China

Dr. Jian Li

Institute of Environment and Ecology, School of the Environment and Safety Engineering, Jiangsu University, Zhenjiang 212013, China

Deadline for manuscript submissions

10 November 2025



Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



mdpi.com/si/217669

Agriculture
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
agriculture@mdpi.com

[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)





Agriculture

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 6.3



[mdpi.com/journal/
agriculture](https://mdpi.com/journal/agriculture)



About the Journal

Message from the Editor-in-Chief

Agriculture (ISSN 2077-0472) is an international, cross-disciplinary and scholarly journal on the science and technology of crop and animal production, and management of the natural resource base for agricultural production. We invite submissions from authors according to the aims and scope of the journal described in more detail on this page. *Agriculture* is published in an open access format – articles are published on the journal's website immediately after acceptance, giving the scientific community and the public unlimited and free access to the content.

Editor-in-Chief

Prof. Dr. Les Copeland

Sydney Institute of Agriculture, School of Life and Environmental Sciences, The University of Sydney, Sydney, NSW 2006, Australia

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubAg, AGRIS, RePEc, and other databases.

Journal Rank:

JCR - Q1 (Agronomy) / CiteScore - Q1 (Plant Science)