# Special Issue

# Land Use Effects on Carbon Storage and Greenhouse Gas Emissions

## Message from the Guest Editors

Agricultural soils can contribute to global climate change by acting as an important source of greenhouse gas emissions to the atmosphere. An effective means to reduce greenhouse gas emissions and increase carbon sequestration in agroecosystems is through land-use management. Gaining a better understanding of the interdependence of land use, carbon cycling, and greenhouse gas emissions is critical to the development of climate mitigation policies that can increase carbon sequestration, and reduce greenhouse gas emissions from agroecosystems. The aim of this Special Issue is to encourage scientists to publish their research at the intersection of land use change/management and climate change. We are interested in contributions that focus on land use effects on carbon storage and greenhouse gas emissions from soils. This includes empirical research, conceptual/theoretical work, meta-analyses, or reviews that examine key processes affected by land use change/management, including (but not limited to) carbon cycling, greenhouse gas emissions, and/or their interactions.

## Guest Editors

Dr. Cole D. Gross
Dr. Zhengfeng An
Prof. Dr. Scott X. Chang

## Deadline for manuscript submissions

closed (30 September 2025)

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# About the Journal

## Message from the Editor-in-Chief

*Land* is the only open access journal covering all aspects of land science, and it is a pioneering platform for publishing on land system science. Our editorial board is comprised of eminent scholars. We publish high quality research on societally relevant, emerging and innovative topics and results in land system research. It is now one of the top land journals with a significant impact factor, and has a goal to become the best journal in land in the coming years. I strongly recommend Land for your best research publications for a fast dissemination of your research.

## Editor-in-Chief

Prof. Dr. Christine Fürst
Department Sustainable Landscape Development, Institute for Geosciences and Geography, University of Halle, Halle, Germany

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