

Special Issue

Dynamics of Soil Organic Carbon under Land Use and Land Cover Change

Message from the Guest Editors

Soil organic carbon (SOC) is a critical component in the global carbon cycle. Soil is the largest carbon reservoir in terrestrial ecosystems, and SOC storage accounts for about 62% of the global soil carbon pool. Thus, even small changes in SOC pools could have dramatic impacts on water supply and climate change. With the continuous socio-economic development, land use and land cover (LUCC) have massive changes at the local, regional, or global scales. However, it is still unclear whether the effect of LUCC changes SOC dynamics and storages at local, regional, and global scales in the past, present, and future. Moreover, research on exploring the relationships between LUCC change and SOC could help to achieve sustainable development goals and carbon neutrality. The goal of this Special Issue is to collect papers (original research articles and review papers) to give insights into the impacts of land use and land cover change on soil organic carbon and to scientifically contribute to the Carbon Neutrality and Sustainable Development Goals. We look forward to receiving your original research articles and reviews.

Guest Editors

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Deadline for manuscript submissions

closed (31 March 2024)



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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

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