Special Issue

Recent Progress in Carbon Cycling in Drylands

Message from the Guest Editors

The sensitive dryland ecosystems are susceptible to degradation and vulnerable to climate change, leading to a reduction in the C pool. Improving the understanding of controls over soil C stocks and fluxes in drylands is important for better land management to sequester C and mitigate the accelerated greenhouse effect.

This Special Issue aims to describe C cycle processes in drylands, and the factors that affect it.

Research areas may include (but are not limited to) the following:

1. Conceptual and cutting-edge analytical advances of soil carbon monitoring and measuring methods on dryland;
2. Spatio-temporal patterns of the soil carbon cycling of dryland from landscape to regional and global scales;
3. Impacts of climate change or land use change and management systems on carbon cycling in drylands;
4. Microbial transformation mechanisms of soil organic carbon in drylands;
5. Modeling soil carbon cycling in drylands under climate and land management change scenarios.

Guest Editors

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Deadline for manuscript submissions

closed (31 January 2023)

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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

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