

## Special Issue

# Forest Soil-Water Resilience to Climate Change: Mechanisms and Management

### Message from the Guest Editors

Climate change, especially global warming, has caused a marked increase in the frequency of compound drought and heatwave events and intense rainfall events, resulting in forest ecosystems facing severe challenges. Nevertheless, the interactions between soil, climate, and water continue to play vital roles in the stability of forest ecosystems.

The goal of this Special Issue is to collect papers (original research articles and review papers) that provide insights into the mechanisms of and methods by which forest soil–water system respond to climate change, with a particular focus on novel techniques or discoveries.

This Special Issue will welcome manuscripts that link the following themes:

- Soil–water interaction mechanisms;
- Forest ecosystem reforestation and afforestation;
- Sustainable forest management;
- Soil organic matter (SOM) and carbon sequestration;
- Climate change impact models on ecosystems;
- Forest ecological interaction;
- Agriculture or forest models for land potential;
- Management techniques or methods for responding to climate change.

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### Guest Editors

Dr. Jinglong Fan

Dr. Sameh Kotb Abd-Elmabod

Dr. Lei Wang

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### Deadline for manuscript submissions

closed (31 January 2026)



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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.

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### 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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#### Journal Rank:

JCR - Q2 (Environmental Studies) / CiteScore - Q1 (Nature and Landscape Conservation)