

## Special Issue

# Soil Organic Matter Dynamics and Microbial Roles in Biogeochemical Cycles in Forestry

### Message from the Guest Editors

Soil organic carbon is an important basis for soil fertility and ecosystem functioning; microorganisms are key drivers of soil organic carbon decomposition, formation, and transformation; and changes in organic carbon and microorganisms can greatly affect biogeochemical cycles. This Special Issue compiles and showcases the latest advancements in relation to the roles of soil organic carbon and microbes in biogeochemical cycles, with the aim of providing a theoretical basis for the restoration and enhancement of forest ecosystem functions. We welcome submissions of various types of literature, including review articles, research papers, and more. Possible topics, include, but are not limited to, the following:

- The role of soil organic matter in forest biogeochemical cycles;
- Microbial regulation mechanisms in biogeochemical cycles;
- Relationship between biogeochemical cycles and forest productivity and stability;
- Effects of land use change on biogeochemical cycles;
- Effects of climate change on biogeochemical cycles;
- Effects of forest restoration on biogeochemical cycles;
- Climate change mitigation strategies through biogeochemical cycle management.

### Guest Editors

Dr. Zhiyang Lie

Dr. Xuli Tang

Dr. Tongtong Zhou

### Deadline for manuscript submissions

30 November 2025



## Forests

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## About the Journal

### Message from the Editor-in-Chief

*Forests* (ISSN 1999-4907) is an international and cross-disciplinary, scholarly forestry journal. The distinguished editorial board and refereeing process ensures the highest degree of scientific rigor and review of all published articles. Original research articles and timely reviews are released online, with unlimited free access. Our goal is to have *Forests* be recognized as one of the foremost publication outlets for high quality, leading edge research in this broad and diverse field. We therefore invite you to be one of our authors, and in doing so share your important research findings with the global forestry community.

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### Editor-in-Chief

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