

Special Issue

Microbial Community Composition and Function in Forest Soil, 2nd Edition

Message from the Guest Editors

The inaugural Special Issue, 'Microbial Community Composition and Function in Forest Soil' (https://www.mdpi.com/journal/forests/special_issues/A00EXI3YL9) has made a great success. This second edition hopes to continue soliciting research on themes including, but not limited to:

- (1) Climate–Microbe Interactions: Mechanisms of microbial adaptation to warming, drought, and extreme events across soil depths.
- (2) Microbe–Plant Synergy: Roles of mycorrhizal networks, root exudates, and plant genotype in shaping soil communities.
- (3) Synthetic Microbiology: Design and field testing of SynComs for carbon sequestration, pollution remediation, and forest resilience.
- (4) Technological Innovations: Applications of multi-omics, single-cell sequencing, and machine learning in microbial ecology.
- (5) Ecosystem Services: Microbial contributions to soil fertility, carbon storage, and disease suppression in managed and natural forests.

Guest Editors

Dr. Yujing Yang

Prof. Dr. Xiankai Lu

Dr. Xiong Fang

Deadline for manuscript submissions

30 April 2026



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/250924

Forests
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
forests@mdpi.com

mdpi.com/journal/forests





Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



[mdpi.com/journal/
forests](https://mdpi.com/journal/forests)



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.

Editor-in-Chief

Prof. Dr. Giacomo Alessandro Gerosa

Department of Mathematics and Physics, Catholic University of Brescia,
I-25121 Brescia, Italy

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, GEOBASE, PubAg, AGRIS, PaperChem, and other databases.

Journal Rank:

JCR - Q2 (Forestry) / CiteScore - Q1 (Forestry)

Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17.1 days after submission; acceptance to publication is undertaken in 2.4 days (median values for papers published in this journal in the first half of 2025).