

## Special Issue

# World beneath Forests: Interactions between Soil Microbial Community and Trees

### Message from the Guest Editor

Forest trees are known to live in close association with microbial organisms. The nature of this close association greatly affecting forest health and productivity. Soil microbial communities, including fungi, bacteria, and archaea, play important roles in litter decomposition, soilborne disease, nutrient cycling, and the sustainability of forests. Forest management practices and global environmental change caused by human activities affect microbial abundance, diversity, the level of dominance of bacteria or fungi, and the composition of their communities. A clear understanding of the interaction between microbial communities and trees in the regulation of decomposition, soilborne disease, and nutrient cycling processes using focused, intensive, and integrative microbiological and ecological research performed across multiple forest habitats will provide a fundamental basis for sustainable forest production. This Special Issue will lay emphasis on the interactions between soil microbial communities and trees, with a focus on the biology and ecology of soil microorganisms in litter decomposition, nutrient cycling, soilborne disease, and the sustainability of forests.

---

### Guest Editor

Dr. Tiehang Wu

Department of Biology, Georgia Southern University, Statesboro, GA 30460, USA

---

### Deadline for manuscript submissions

closed (31 July 2022)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/95036](https://mdpi.com/si/95036)

*Forests*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[forests@mdpi.com](mailto:forests@mdpi.com)

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