

Special Issue

Interactions of Plants, Soil Nutrients, and Microorganisms in the Karst Forest Ecosystems

Message from the Guest Editors

In this Special Issue, we aim to collect recent advances in the key functional microorganisms that regulate the absorption and utilization of nutrients for plants in the fragile karst ecosystems of artificial and natural forests. Both simulations and experimental studies are welcome. Potential topics include but are not limited to the following:

- Relationships between nutrient cycling, microorganisms, and plant community;
- Soil carbon, nitrogen, and phosphorus cycling in the karst forest ecosystems;
- The microbial food web in the karst forest ecosystems;
- Diversity and community composition of the key function microbes (e.g., mycorrhizal fungi, diazotrophs, bacteria, fungi, protists, nematodes, and viruses);
- Microbes involved in organic carbon decomposition in the karst forest ecosystems;
- Microbes involved in nitrogen transformation processes, including nitrification and denitrification, etc.

Guest Editors

Dr. Dan Xiao

Dr. Jie Zhao

Prof. Dr. Wei Zhang

Dr. Hanqing Wu

Dr. Peilei Hu

Deadline for manuscript submissions

31 December 2025



Forests

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 4.6



mdpi.com/si/175305

Forests
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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).