

## Special Issue

# Belowground Carbon Flux in Forests: Carbon Emission, Storage and Beyond

### Message from the Guest Editors

This Special Issue aims to publish empirical evidence on how biotic and abiotic variables influence the storage, long-term stability, and instability of sequestered C in forest soils. In this Special Issue, original research articles and reviews are welcome. Their research areas may include (but are not limited to) the following:

- Soil carbon sequestration and storage mechanisms;
- Decomposition processes and their role in carbon release;
- Root respiration and its contribution to carbon flux;
- The influence of soil microbial activity on carbon cycling;
- Role of root-microbe symbiosis in carbon exchange;
- The effect of edaphic factors on belowground carbon flux;
- How plant species composition and root traits impact carbon dynamics;
- The measurement and modelling of belowground carbon flux;
- Impact of disturbance on belowground carbon.

We look forward to receiving your contributions.

---

### Guest Editors

Dr. Iftekhar Uddin Ahmed

Institute of Forest Ecology, Universität für Bodenkultur (BOKU), 1190 Vienna, Austria

Prof. Dr. Jaeseok Lee

Department of Biological Sciences, Konkuk University, 120 Neungdong-ro, Gwangjin-gu, Seoul, Republic of Korea

---

### Deadline for manuscript submissions

31 January 2026



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/239612](https://mdpi.com/si/239612)

*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).