

## Special Issue

# Forest Carbon Management and Monitoring: Insight from Silvicultural Practices and Climate Change

### Message from the Guest Editor

The Special Issue seeks to solicit papers that represent the cutting edge of research in forest carbon management and monitoring from the following topics:

- Empirical Studies: Studies that present new empirical data on forest carbon stocks, fluxes, and sequestration rates under different silvicultural practices and climate scenarios.
- Modeling Approaches: Research that develops or applies novel modeling frameworks to simulate and predict forest carbon dynamics under various management and climate scenarios.
- Remote Sensing and Monitoring Technologies: Studies that includes the use of LiDAR, radar, hyperspectral imaging, and other emerging technologies to improve the accuracy and precision of forest carbon estimates.
- Policy and Management Implications: Research that examines the policy and management implications of forest carbon management and monitoring, as well as studies that assess the economic and social costs and benefits of forest carbon sequestration.
- Case Studies and Best Practices: Successful examples of forest carbon management and monitoring under different climatic and socio-economic conditions.

### Guest Editor

Prof. Dr. Xavier Cavard

Forest Research Institute, Université du Québec en Abitibi-Témiscamingue, 445 Boulevard de l'Université, Rouyn-Noranda, QC J9X 4E5, Canada

### Deadline for manuscript submissions

closed (30 June 2025)



## Forests

an Open Access Journal  
by MDPI

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/216697](https://mdpi.com/si/216697)

*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).