

## Special Issue

# Factors Affecting Carbon Storage and Biomass Stock in Tropical Forest Ecosystems

### Message from the Guest Editors

This Special Issue aims to consolidate research on factors affecting the carbon storage of tropical and subtropical forest ecosystems from different parts of the globe. We welcome articles related, but not limited to, the following topics:

- Changes in stand structure, functional diversity, and biomass stocks of the tropical forests.
- Trends in carbon storage related to forest age, species composition, and plant traits.
- Soil organic carbon dynamics of the tropical and subtropical forests.
- Relationships between carbon storage, nutrient cycling, and soil properties.
- Effect of climate and climate change on forest carbon storage.
- Forest management practices and their effect on carbon storage.
- Anthropogenic and natural disturbances that affect biomass and soil carbon storage.
- Effect of topography and local environmental conditions on carbon sequestration.
- Biogeochemical processes and mechanisms that explain C input, output, and stocks.
- Other studies related to any factor(s) that influence biomass or soil C storage.
- Novel approaches to assess carbon storage in tropical forest ecosystems.

---

### Guest Editors

Dr. Deb Raj Aryal

Prof. Dr. Yareni Perroni Ventura

Dr. Pedro Rodrigues Mutti

Dr. Juan Manuel Dupuy Rada

---

### Deadline for manuscript submissions

closed (30 May 2023)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/143745](https://mdpi.com/si/143745)

*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 16.8 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).