

## Special Issue

# Isotope Application in Forest Growth Assessment

### Message from the Guest Editors

Dear colleagues, Stable isotopes are valuable sources of information about past climatic and environmental changes, and their impact on forest growth and dynamics. This special issue focuses on:

- application of stable and compound-specific isotope analyses (d13C, d18O, d15N and dD) in wood tissues as sensitive indicators for biogeochemical, eco-physiological and metabolic changes at the tree to the forest level;
- forest productivity changes, die-back phenomena and adaptive responses of trees to global change;
- extreme climatic events: impacts and approaches for their reconstruction;
- evaluation of the effects of disturbance and competition over the expression of tree-ring stable isotopes in natural versus managed forests;
- potential application of stable isotopes from the study of hydrological processes to pollution influences.

### Guest Editors

Dr. Giovanna Battipaglia

Department of Environmental, Biological and Pharmaceutical Sciences and Technologies, University of Campania "Luigi Vanvitelli", Via Vivaldi 43, 81100 Caserta, Italy

Dr. Olga Churakova (Sidorova)

1. Institute for Environmental Sciences, University of Geneva, Geneva, Switzerland
2. Siberian Federal University, Krasnoyarsk, Russia

### Deadline for manuscript submissions

closed (31 March 2018)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/9796](https://mdpi.com/si/9796)

*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).