

## Special Issue

# Biomonitoring with Lichens and Mosses in Forests

### Message from the Guest Editors

Lichens and bryophytes play an important role in forest ecosystem functioning. They have a role in the water cycle and forest food webs, and they increase the canopy interception of precipitations and nutrients. Several species can be considered indicators, being sensitive to air pollutants and climate change and showing an ability to accumulate trace elements. In general terms, we can identify three main reasons to monitor lichen and moss in forest ecosystems: (i) to monitor the effects of atmospheric pollution and climate change, (ii) for conservation studies related to forest management and threatened species, and (iii) to obtain information on ecosystem functioning.

In this Forests Special Issue, we encourage researchers to send contributions on the following topics:

Effects of air pollution on sensitive species or species assemblages;

Effects of forest management and fragmentation on indicator species;

Modeling functional traits and indicator species;

Environmental niche models and species conservation;

Viable populations of threatened lichen and bryophyte species;

Mapping trace elements;

Standard operating procedures and sampling design for biomonitoring programs.

---

### Guest Editors

Dr. Giorgio Brunialti

TerraData Environmetrics, Spin Off Company of the University of Siena, Via Bardelloni 19, 58025 Monterotondo Marittimo, GR, Italy

Dr. Luisa Frati

TerraData Environmetrics, Spin-off Company of the University of Siena, 58025 Monterotondo Marittimo, Italy

---

### Deadline for manuscript submissions

closed (25 February 2023)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/85500](https://mdpi.com/si/85500)

*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).