

## Special Issue

# Biological and Bio-Based Management of Forest Pests and Pathogens

### Message from the Guest Editors

This Special Issue aims to present the recent advances in the development and use of biological control and bio-based measures against forest pest and pathogens. Studies conducted in experimental (laboratory) and authentic environments, as well as theoretical approaches are of interest. Relevant topics include, but are not limited to, the following:

- Characters and potential of living organisms as antagonists or parasitoids against forest pests and pathogens
- Bio-based agents as antimicrobial or tree-defense promoting factors
- Utilization of natural mechanisms and traits in the control and mitigation of forest pest and pathogen impacts
- New and improved diagnosis methods as a part of the management strategies
- Technological advances in the application of biological and bio-based solutions in forest protection
- Economic and impact analyses of sustainable forest protection through biological and bio-based solutions.

---

### Guest Editors

Prof. Dr. Julio Javier Diez

Sustainable Forest Management Research Institute, University of Valladolid-INIA, Avenida de Madrid 44, 34071 Palencia, Spain

Dr. Johanna Witzell

Southern Swedish Forest Research Centre, Swedish University of Agricultural Sciences, BOX 49, 23053 Alnarp, Sweden

---

### Deadline for manuscript submissions

closed (31 March 2021)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/25344](https://mdpi.com/si/25344)

*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).