

## Special Issue

# Application of Molecular Genetic Tools for Forest Pathology

### Message from the Guest Editors

The involvement of molecular genetics in plant pathology aims to improve our understanding of dynamic interactions among various biotic and abiotic components, develop new methods for forest tree pathology protection, and develop effective disease management strategies. New molecular genetic methods find application in both pests and pathogen diagnostics, control and management activities. In the field of diagnostics, several molecular genetic methods are available for identifying different pest/pathogen species and pathogen strains, as well as their evolutionary relationships. In the field of pests and pathogen control, the identification of genetic markers associated with tree resistance provides information that can be used in breeding programs for disease-resistant trees. This Special Issue provides a comprehensive overview of the latest developments in the application of molecular genetics in forest pathology. It aims to highlight advances in the use of molecular genetic tools in forest pathology, covering topics such as disease diagnostics, pests and pathogen detection and diversity, host–pathogen interactions, and disease management.

### Guest Editors

Dr. Nevenka Čelepirović  
Dr. Sanja Novak-Agbaba  
Dr. Aikaterini Dounavi

### Deadline for manuscript submissions

closed (25 October 2024)



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/162992](https://mdpi.com/si/162992)

*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).