

## Special Issue

# Development and Properties of Wood Fiber-Based Products

### Message from the Guest Editors

Biopolymers and nanomaterials enhance existing materials, enable the creation of novel biopolymer-based materials, and contribute to the development of bionanocomposites. Wood fiber-based products have gained significant attention in recent years for their sustainability and eco-friendly characteristics. Derived from processed and engineered wood fibers, these materials are used in a wide range of applications, including composites, insulation materials, and paper products.

Offering a sustainable, biodegradable, and versatile alternative to conventional synthetic materials, wood fiber-based products play a crucial role in advancing green manufacturing and design. Continuous improvements in processing techniques and material formulations are expanding their applications, while future innovations—including nanotechnology integration, enhanced recycling methods, and the development of high-performance bio-composites—will further strengthen their significance.

This Special Issue will explore the development processes, key properties, and applications of wood fiber-based products, highlighting their role in sustainable material science.

---

#### Guest Editors

Dr. Ida Poljansek

Dr. Viljem Vek

Dr. Primož Oven

---

#### Deadline for manuscript submissions

31 May 2026



## Forests

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 4.6



[mdpi.com/si/237752](https://mdpi.com/si/237752)

*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).