

## Special Issue

# Innovative Technologies in Wood Protection and Modification: Drying, Processing, and Functional Enhancement

### Message from the Guest Editors

This Special Issue presents a curated collection of cutting-edge research addressing the evolving challenges and opportunities in wood science. As wood gains prominence as a sustainable and versatile material, enhancing its durability, stability, and functionality is critical to expanding its applications in construction, furniture, packaging, and emerging bio-based industries. This issue focuses on innovative approaches to wood protection and modification, chemical and thermal treatments, and advances in wood drying that improve performance while aligning with environmental sustainability goals. Emphasis is placed on process optimisation, energy efficiency, and the integration of sustainable materials and techniques. By integrating interdisciplinary research from wood science, materials engineering, and environmental technology, this issue aims to foster collaboration and inspire future innovations. It provides a platform for researchers to share breakthroughs, validate new methodologies, and contribute to the development of high-performance, sustainable wood products. Researchers, academics, and industry professionals are invited to contribute original studies and reviews.

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### Guest Editors

Dr. Davor Kržišnik  
Dr. Sauradipta Ganguly  
Dr. Ahmet Can

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### Deadline for manuscript submissions

31 October 2026



## Forests

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## 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.

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### Editor-in-Chief

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