

## Special Issue

# Innovative Approaches to Modifying Wood and Wood-Based Material Properties in the 21st Century

### Message from the Guest Editors

Wood and wood-based materials continue to play a pivotal role in advancing sustainable solutions for modern industries. This Special Issue will focus on innovative approaches to modifying the properties of wood and wood-based materials to meet the needs of the 21st century. We welcome contributions exploring advanced thermal, chemical, and biological modification techniques, as well as cutting-edge applications of nanotechnology, such as nanocellulose and wood-based nanocomposites. Studies on eco-friendly durability enhancement, novel engineered wood products, and hybrid materials that combine wood with other elements to improve functionality are particularly encouraged. Research into the integration of these modifications in construction, manufacturing, and other fields with the aim of maximizing material performance and sustainability will also be considered. By showcasing state-of-the-art advancements, this Special Issue aims to foster knowledge sharing and collaboration in wood material science. We look forward to receiving your contributions.

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### Guest Editors

Dr. Miklós Bak  
Dr. Tamás Hofmann  
Dr. Fanni Fodor

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### Deadline for manuscript submissions

31 August 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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