Special Issue

Advanced Technology for Extraction, Processing and Testing of Forest Products

Message from the Guest Editors

This Special Issue focuses on modern technologies for the sustainable use of forest products, such as wood, pulp, paper, and other plant-based raw materials. It covers the following main areas: **Extraction Technologies:** Advanced methods for sustainably harvesting and collecting forest raw materials. This includes mechanized logging systems, precision forestry technologies, and innovative approaches such as utilizing biomass for energy production. **Processing Technologies:** Cutting-edge procedures for industrially processing forest raw materials. Examples include woodworking machinery and robotics for efficient and precise processing; the optimisation of wood processing (e.g., LEAN, industry 4.0); chemical and biotechnological methods (e.g., extracting lignin, cellulose, and hemicellulose); and the production of new construction materials, such as composites and bio-based products. **Testing Technologies:** Modern analytical tools and methods to assess product quality and durability. These include testing mechanical properties; the fire resistance testing of wood-based building materials; and environmental and sustainability assessments.

Guest Editors

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Deadline for manuscript submissions

30 October 2025

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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