

Special Issue

Integrated Studies on the Physical and Chemical Properties of Wood and Wood-Based Products

Message from the Guest Editors

As a renewable and versatile natural material, wood exhibits a complex combination of physical and chemical properties that significantly influence its performance, processing, and applications. This Special Issue aims to gather cutting-edge research on the fundamental and applied aspects of wood's physicochemical characteristics. Topics include, but are not limited to the following: wood anatomy and ultrastructure, thermal and mechanical behaviour, hygroscopicity, degradation mechanisms, and chemical composition. Contributions addressing novel characterisation techniques, modifications to enhance durability or functionality, and insights into the interactions between wood structure and its chemical constituents are welcome. By bridging the gap between physical and chemical perspectives, this issue seeks to support the development of more efficient, sustainable, and innovative uses of wood in various industrial and environmental contexts.

Guest Editors

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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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