

Special Issue

Wood Modification: Optimisation and Characterisation of Modified Timbers

Message from the Guest Editors

Wood modification techniques such as thermal modification, acetylation, and furfurylation have been well studied and commercially available. Many other modification systems for wood are still under development. Most wood modification systems seek to enhance dimensional stability, while many also extend service life and provide durability and resistance to fungal decay, weathering, or insect and marine borer attacks. In recent years, innovation in wood modification has focused on three main themes: combining modifications to increase the range of benefits offered; seeking bio-based or green chemistry modifications; and introducing nanotechnologies to provide innovative functional materials. Papers relating to all of these aspects are welcomed for this Special Issue of *Forests*. Potential topics include, but are not limited to:

- Thermal modification;
- Chemical modification;
- Passive chemical modification;
- Bio-based polymers, resins, and reagents for modification;
- Novel combined modification systems;
- Nanotechnology in wood modifications;
- Sustainability in wood modification;
- Service life and durability of modified wood;
- Properties of modified wood.

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Deadline for manuscript submissions

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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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