



Recent Advances in Wood Modification and Wood Functionalization Research

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Message from the Guest Editors

This Special Issue aims to present the most recent advances in the field of diverse wood modification technologies and the research results that support them in order to obtain high-performance bio-based materials and composites. In this Special Issue, original research articles and reviews are welcome. Research topics may include (but are not limited to) the following:

- Modification of solid wood;
- Biocomposites and wood-based products;
- Nanomaterials in wood and wood-based materials;
- Chemical modification processes;
- Natural fibers;
- Plasma treatment;
- Fungal mycelium treatment;
- Enzymatic treatment;
- Combined modification processes;
- Functionalization of wood or its surface;
- Weather resistant wood and wood-based materials;
- Dimensionally stable wood and wood-based materials;
- Wood and wood-based materials with improved decay resistance;
- Application of wood and wood-based products;
- Destructive and non-destructive testing of wood;
- Future perspectives for innovative approaches to wood modification;
- Currently unused modification technologies.

Special Issue



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