



Study of Timber and Wood Related Materials—2nd Edition

Guest Editor:

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Deadline for manuscript
submissions:

20 October 2024

Message from the Guest Editor

As it is natural, renewable, and environmentally friendly, wood is a highly versatile material used for many applications, including the production of tools, furniture, or art objects. Furthermore, its exceptional mechanical properties also make wood a preferable structural material for construction purposes. Some species of wood can be even stronger than steel or concrete are. Although wood mechanical properties have been broadly investigated, intensive research in this area is still in progress to provide more detailed knowledge of the relationships between woods' structure, composition, and mechanical properties to further improve the performance in different environmental conditions, as well as broaden the applications.

This Special Issue aims to present updated knowledge related to the mechanical and viscoelastic performances of wood and wood-based materials under various conditions; to report on the enhancement of woods' mechanical properties using different treatments; to review the relationships between woods' structure, chemical composition, moisture content, and mechanical performance; and to demonstrate cutting-edge advances [...]





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Message from the Editor-in-Chief

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