# **Special Issue**

# Study of Timber and Wood Related Materials—2nd Edition

# 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 cuttingedge advances [...]

## **Guest Editor**

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#### Deadline for manuscript submissions

closed (20 October 2024)



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# Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. Materials provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

### Editor-in-Chief

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