

Special Issue

Modern Wood-Based Materials for Sustainable Building

Message from the Guest Editors

Modern construction approaches are placing increasing emphasis on sustainable building materials, including those that are wood-based. Wood, a natural and renewable resource, is thus becoming a crucial element in the path towards sustainable construction.

This Special Issue focuses on the use of wood and wood-based materials, considering both their construction and insulation applications, joining and bonding methods, and protection against biotic and abiotic factors. In the context of sustainable construction.

An important aspect of this Special Issue is the use of these materials to improve the energy efficiency of buildings and reduce material intensity. This issue will address modern wood bonding/joining techniques that affect not only construction strength but also building time and costs. In addition, it will also address new wood preservation strategies, modern impregnation, and surface-finishing techniques for structural timber and wood-based materials that ensure durability and aesthetics.

We are delighted to invite you to submit a manuscript for this Special Issue. Full articles, communications, and reviews are welcome.

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Deadline for manuscript submissions

closed (20 November 2025)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/201579

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About the Journal

Message from the Editorial Board

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.

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