Special Issue

Simulation and Experimental Approach in Wood and Wood-Based Composite Structures Design

Message from the Guest Editors

This Special Issue, "Simulation and Experimental Approach in Wood and Wood-Based Composite Structures Design," will address advances in analytical, numerical, and experimental methods of designing and modeling various-sized structures manufactured from wood and wood-based composites.

Interesting properties of the new materials and components for designing structures characteristic of the furniture, construction, and automotive industries will be presented. We are looking for new research results on the interaction between the joined materials in changing operating conditions. Simulation and experimental technics are critical in the sustainable design of products made of bio-based materials.

This collection will provide a complete understanding of how the quality of materials, joints, and structures can be improved using simulations and experimental approaches. Contributions can be submitted as original research papers or review articles.

Guest Editors

Prof. Dr. Jerzy Smardzewski
Prof. Dr. Cevdet Sogutlu
Prof. Dr. Ali Kasal

Deadline for manuscript submissions

closed (20 February 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/152485

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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.

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