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Engineered Timber Composites: Design, Structures and Applications

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Message from the Guest Editors

Fibre-based materials are extensively utilized across various application domains. The advantages of these materials are multiple. The material characteristics can be tailored to meet specific processing and construction needs. This Special Issue is dedicated to the latest developments in experimental, numerical, and analytical modelling of anisotropic fibre-based materials, with a special focus on engineered timber. The topics of interest include, but are not limited to:

- Development of process, structural models, composite timber materials and their connections.
- Multi-layer laminated composites and engineered timber products.
- Innovations in sustainable construction materials and products.

Research in these areas not only enhances our understanding of timber engineering but also supports the adoption of sustainable and eco-friendly construction practices.

We cordially invite researchers to submit their latest research results that disclose new trends in models and applications of timber composites. Your contributions to this Special Issue are crucial for advancing the frontier of knowledge in the design, structures, and applications of engineered timber.





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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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