

Special Issue

Novel Timber Structures and Materials in Building Engineering

Message from the Guest Editors

The use of sustainable building materials has become the key focus of the construction industry and research community. Timber is considered as a sustainable material, offering a viable alternative in the construction of building structures. This Special Issue aims to communicate and discuss recent findings and developments in the use of this material, including virgin, recycled and composite forms, in building structures by creating novel structural systems.

Thus, this Special Issue is focused on, but not limited to, the following topics: Material characterization of various timber species; Repurposing end-of-life timber; Engineered mass timber using softwood and hardwood; Development and use of novel timber structures; Development of hybrid materials with timber, nail laminated timber, laminated veneer lumber, plywood and oriented strand board.

Keywords: Sustainable material, engineered timber, experimental investigation, mechanical properties, novel material, timber structures, timber composites.

Guest Editors

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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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