

Special Issue

Wooden Materials and Joints for Sustainable Timber Structures

Message from the Guest Editors

Wood and timber structures have accompanied humankind practically throughout its entire existence. Wood is a natural renewable material with excellent physical and mechanical properties. It is relatively available all over the world and its mining, processing, construction, and also removal require relatively little energy. Today, advanced societies around the world are addressing the issue of sustainable development, securing the raw material base for the construction industry, while limiting the use of non-renewable natural resources with a high "carbon footprint". The purpose of this Special Issue is to present wood and wood-based materials, their properties, and the possibility of incorporation into wooden and hybrid structures. Related to this is the issue of joints of structural elements made of these materials, as well as new approaches to the design of these structures in the context of sustainable development.

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