

## **ADVANCED COMPUTATIONAL MODELLING OF WOOD, WOOD-BASED PRODUCTS, BIO-COMPOSITES, AND TIMBER STRUCTURES**

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### **MINISYMPOSIUM**

This minisymposium serves as a platform for scientists and engineers operating in the realm of computational wood mechanics, wood technology, and related bio-composite computational mechanics. The papers submitted should reflect recent advancements and breakthroughs in the analytical and numerical exploration of the mechanical and physical properties of wood, bio-composites, and structures created from these materials. We also invite papers detailing developments in wood processing, innovative wood and bio-composites, and novel experimental investigations.

The topics that the minisymposium encompasses include:

- Theoretical, numerical, and experimental investigations related to computational mechanics of wood and bio-composites across different length scales.
- Microscale studies of wood and bio-composites, focusing on cell behavior, fibers, pulp, and paper.
- Macroscale investigations into solid wood, wood- and plant-based products, laminated components, and joints.
- Structural scale research, centering on building constructions and construction details.