

## Special Issue

# Recent Advances in Wood- and Bamboo-Based Composites

### Message from the Guest Editors

Wood- and bamboo-based composites, using wood and bamboo as the basic raw materials with plastic, resin, and other composites, form new composites through a series of processing technologies. Its main content includes the study of wood and bamboo chemical components, anatomical characteristics, the functionalization of wood and bamboo, wood and bamboo structural building materials, and functional composites, especially with the development of nanocomposites and intelligent composites. The research scope of wood- and bamboo-based composites is also gradually expanding. At present, chemical components and cell wall microstructures of wood/bamboo, high-value utilization of wood/bamboo, and functional and intelligent wood/bamboo-based composites are worthy of further study. The aim of this Special Issue includes, but is not limited to, the following: wood/bamboo anatomy, wood/bamboo functionalization modification, utilization of waste wood/bamboo, wood- and bamboo-based composites and functional and intelligent wood- and bamboo-based composites, etc. We encourage you to submit original research articles, review articles, design and application case analyses, etc.

### Guest Editors

Dr. Yu Xian

Dr. Haidong Li

Dr. Penglian Wei

Prof. Dr. Haitao Cheng

### Deadline for manuscript submissions

closed (31 July 2025)



## Forests

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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