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Modification and Property Improvement of Wood- and Bamboo-Based Materials

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Deadline for manuscript submissions:

closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

Wood and bamboo possess natural carbon fixation abilities. As means of carbon storage, wood/bamboo products and buildings have obvious advantages in terms of environmental benefits. Compared with traditional materials, wood/bamboo material owns a lower carbon emission factor, meaning that the carbon emissions are low during production, transportation, construction, operation and demolition stages. Promoting the development of wood/bamboo processing according to local conditions is of great practical significance in the exploration of the potential application fields of wood/bamboo products and in reducing energy consumption and carbon emissions.

With the goal of highlighting recent advances in wood/bamboo modification or processing technologies, this Special Issue will publish original research work or forward-looking literature reviews that focus on exploring wood/bamboo modification technologies and understanding the corresponding mechanisms of property improvement. We invite related works on advanced modified techniques and their practical applications in the above areas.



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