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Sustainable Materials in the Forest Products Industry

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Message from the Guest Editors

Dear Colleagues,

Sustainable development in the forest products industry explores the origins of sustainability as it applies to forestry and forest products. Sustainable forest management is one of the most significant ways of reducing pressure on the world's forests. The bio-based economy necessitates the sustainable utilization of bioresources for the production of a range of products. Lignocellulosic biomass is the most abundant and renewable resource on Earth, which may be processed in a variety of ways and provides both environmental and performance benefits. Lignocellulosic-based sustainable materials are composed mainly of three basic structural components: cellulose, lignin, and hemicellulose. Lignocellulosic-based sustainable resources have the potential to replace plastics and materials that have been traditionally based on fossil resources. The development of high-performance bio-based and sustainable materials is a crucial aspect for the bio-based industry's long-term growth. The aim of this Special Issue is to evaluate and cover novel research in the area of sustainable materials in the forest products industry, in both original and review articles.



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Special Issue



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Message from the Editor-in-Chief

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