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Rare, Non-native and Invasive Plant Species: Structure, Properties and Potential Applications

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Message from the Guest Editor

Dear Colleagues,

Due to the rapidly growing demand, finding new sources of raw materials already presents a real challenge. Current studies on ongoing projects show that alien and invasive plant species can be an important source of raw materials. In this Special Issue, we focus mainly on research into rare, non-native, and invasive species from which we can extract raw materials for the manufacture of various products. For example, such trees are most often found in an urban environment. Of course, we cannot expect the same material efficiency from trees from urban environments as from commercially managed forests. Trees in the urban environment are often damaged by various interventions and consequently infected with various fungi. Early changes in wood cause a series of successive processes that affect the anatomical and chemical structure as well as other properties of the wood. Nevertheless, the use of wood from urban trees of non-native species has certain advantages. We can find extremely colorful and above all unique textures in certain species, which are simply not present in native conventional species.



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Special Issue



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