



Development and Utilization of High-Value Products from Woody Biomass

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Message from the Guest Editor

Woody biomass comes from trees and woody debris or residues that cannot be used for timber. It is a by-product of forestry operations and the forest industry. This material, highly available, represents a huge untapped biomass resource. Maximizing sustainable woody biomass utilization through efficient and sustainable processes to generate bioenergy, and/or diversified high-value products, will help not only climate change mitigation, but will also contribute to reducing our dependence on fossil resources. We welcome and solicit manuscripts in the following areas: the catalytic conversion of woody biomass; improved woody biomass biochemical and thermochemical processes to produce liquid and/or gaseous biofuels; new strategies for woody biomass pre-treatments and in situ utilization; novel technologies to achieve highly selective dissolution and the efficient conversion of lignin, cellulose and hemicellulose; the fractional conversion of cellulose and lignin for the maximum retention of small molecules and structures; the utilization of woody biomass products, etc.





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