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Woody Biomass for Bioenergy Production

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Message from the Guest Editor

Dear Colleagues,

As an important renewable and sustainable energy resource, forest biomass is considered as the primary energy resource. Woody biomass can be converted to biofuels by different methods, such as thermal, chemical, and biochemical methods. Woody biomass, as an energy source, can either be used directly via combustion to produce heat, or indirectly after converting it to different biofuels. The focus of this Special Issue to classify woody biomass, harvesting technologies, supply chain logistics, physical and chemical properties, mechanical preprocessing (size reduction, and densification), and drying. In this Special Issue, emphasis will be on thermal pretreatments, such as torrefaction and hydrothermal carbonization, which makes woody biomass suitable for cofiring and thermochemical conversion to produce liquid fuels using technologies like pyrolysis and gasification. International trade of solid and liquid fuel products produced using woody biomass is also within the scope of the Special Issue.

Dr. Jaya Tumuluru
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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