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Lignocellulose Based Biofuels and Biomaterials

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Message from the Guest Editors

Lignocellulosic biomass has been considered one of the most promising feedstocks for the production of biofuels and biomaterials following the depletion of petroleum. However, the hierarchical and multi-layered structure of lignocellulose cell wall is the major barrier for the efficient conversion of lignocellulose to value-added products such as biofuels. Advanced pretreatment methods with low economic cost, high efficiency, and less environmental pollution are needed to firstly convert lignocellulose to platform chemicals which can be further synthesized through various biorefinery processes to proceed liquid biofuels, solid biofuels, gas biofuels, and other energy storage materials. Thus, the novel facility, biorefinery process, and green technologies to integrate lignocellulose extraction and transformation into a wider spectrum of marketable and value-added products are explored in the current Special issue “Lignocellulose Based Biofuels and Biomaterials”.



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Special issue



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Message from the Editor-in-Chief

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