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Biofuels Production from Lignocellulosic Biomass

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Message from the Guest Editor

While lignocellulosic biomass is the most abundant form of renewable feedstock on the planet, biomass heterogeneity, make it almost impossible to come to a “one method suits all” scenario when considering the production of biofuels from the broad range of available biomass sources on Earth. Thus, pre-treatment of lignocellulosic biomass is almost universally necessary in the processes leading to biofuel production.

This Special Issue would like to encourage original contributions and reviews regarding recent developments in technologies leading to biofuels production from lignocellulosic biomass. Potential topics include, but are not limited to, biofuels from lignocellulosic wastes, genetic engineering of lignocellulosic feedstocks, pretreatment technologies, lignin derived biofuels, hemicellulosic biofuels, green routes to lignocellulose deconstruction, fermentation technologies, genetic engineering of microbial strains, enzymatic deconstruction of lignocellulose, chemical deconstruction of lignocellulose, and fractionation technologies.

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Message from the Editor-in-Chief

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