

Special Issue

Biomass as a Renewable Power Source

Message from the Guest Editor

Biofuels and biochemicals are a renewable and clean power resource. With the problems of the depletion of fossil resources as well as the adverse effects of the indiscriminate use of fossil resources, there has been a paradigm shift to biofuel production. The objective of this Special Issue on “Biomass as a Renewable Power Source” is to accelerate the research and development so that knowhow is provided for upcoming biorefinery installations. Such facilities have the potential for alleviating the problems of energy shortages, catastrophic effects of climate change, growing joblessness among skilled youth, and economic inflation. Biomass is an abundant organic renewable feedstock that can be converted to biofuels such as biodiesel, bioethanol, glucose, biohydrogen, biomethane, biokerosene, jet fuel range hydrocarbons, bioelectricity and many other advanced biofuels by innovative catalytic processes, such as transesterification, hydrolysis, dehydration, isomerization, alkylation, hydrogenation, oxidation and many others.

Guest Editor

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Editor-in-Chief

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