



Recent Developments in Renewable Biomass for Sustainable Energy: Current Status and Future Prospects

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Message from the Guest Editors

Dear Colleagues,

Today, with rapid economic development and the continuous growth of the world population, energy consumption is sharply increasing. However, fossil fuel resources still dominate the energy market, accounting for 87% of global energy consumption. In response to the climate crisis and environmental pollution, many countries have revised their energy schemes, in which process renewable energy plays an important role. Among the different forms of renewable energy, biomass has been considered a crucial resource that can provide a variety of energy needs, including generating electricity, fuelling vehicles, and providing heat. The main advantage of biomass, as the only renewable carbon source, over all other renewable resources, is the possibility to be converted into solid, liquid, and gaseous fuels through different conversion routes.

This Special Issue aims to publish recent advances in the basic research and technological development of renewable energy through the high-value utilization of different biomass feedstock, mainly focusing on biowaste.

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