

Special Issue

Current Trends in the Development and Utilization of Biomass Resources

Message from the Guest Editors

The sustainable development of the environment has become the consensus of all countries, the issue of global climate change has aroused the attention of the international community. In order to control global carbon emissions, we should work together to find renewable resources that can replace fossil fuels. As a kind of renewable resource, biomass—especially lignocellulose—has attracted much attention in the development of resources, energy, high-value-added fine chemical products, and environmental pollution control materials. The question remains of how to realize the efficient development and utilization of biomass and its platform compounds at a low cost, transform it into high-value chemicals, improve the selectivity and purity of products, and develop and design environmental functional materials based on biomass to make it suitable for industrial production. To answer this question, further in-depth research work is needed. In order to continuously promote further research, investigation, and development in the field of renewable biomass, more research results or reviews should be reported and shared with a wider audience.

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Addressing the environmental and public health challenges requires engagement and collaboration among clinicians and public health researchers. Scientific discoveries and advances in this research field play a critical role in providing a rational basis for informed decision-making toward control and prevention of human diseases, especially the illnesses that are induced from environmental exposure to health hazards.

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