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High-Valued and New Utilizations of Biomass Material for Function Applications

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Message from the Guest Editors

Biomass resources include wood and wood wastes, agricultural crops and their waste byproducts, municipal solid waste, animal wastes, waste from food processing and aquatic plants and algae. Due to biomass being green, renewable, available from a wide variety of sources and low in cost, the use of biomass has always been a hot research topic for designing functional materials.

The basic ingredients (such as lignin, hemicellulose, cellulose and so on) and the pore structure characteristics of biomass sources are multifarious. In order to discover possible utilizations of biomass that are highly efficient and scalable as functional materials for industrial processes, it is important to consider the utilization of the components and hierarchically porous structure from these biomass resources, such as plastic substitution, intelligent response and bionic functional materials.

This Special Issue welcomes original research articles focusing on high-quality and new utilizations of biomass material for functional applications. Full papers, communications, and reviews are all welcome.





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Message from the Editor-in-Chief

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