

Special Issue

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

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.

Guest Editors

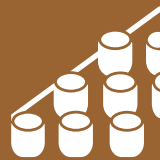
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About the Journal

Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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