

Special Issue

Advanced Biomass-Based Multifunctional Materials

Message from the Guest Editors

With the rapid development of global economy, we are facing the challenges of resources shortage and environmental pollution. Biomass, such as wood, energy crops, and waste from forests, yards, or farms, are promising alternatives to the fossil resource for the preparation of advanced functional materials towards the sustainability and environment-friendship.

Therefore, the biomass-based multifunctional materials have attracted increasing attentions from researchers in the past years. There is an urgent need for the development of novel advanced materials based on original biomass and/or extracted main components for potential applications in energy harvesting/storage, smart sensing, water treatment, light management, thermal regulation, green packaging, flexible electronics, soft actuators, CO₂ capture, and so forth.

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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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