

Special Issue

Synthesis and Application of New Lignin-Based Polymers and Composites

Message from the Guest Editor

In conventional applications, technical lignins are essentially limited to being used as unmodified additives to different polymer blends and composites, in construction materials (concrete, cement, breaks, asphalt, etc.), in the extractive (oil production and mining) and manufacturing (ceramic, leather-processing, paint and varnish, carbon black, etc.) industries, agriculture (fertilizers, auxiliary chemicals, remediation, etc.), and in medicine. The most recent trends point to high-performance advanced lignin-based materials obtained by targeted modification, controlled polymerization, and nanostructuring techniques. This Special Issue encourages researchers to contribute with their recent works (original research articles and reviews) related to advances in lignin utilization in new polymeric formulations, composites, functional and nanostructured materials.

Guest Editor

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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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