Special Issue

Polymer Materials from Renewable Resources

Message from the Guest Editor

Natural polymers have attracted people since ancient times. Nature can generously provide a spectacular collection of polymers that can be used in fibers, films, adhesives, gels, coatings, foams, thermoplastics, and thermoset resins. These archaic materials have seen an astonishing evolution over the past decades, especially because of the global awareness of the harmful and polluting nature of traditional resources. Because of the tremendous progress made on more accurate knowledge of the structure and properties of natural polymers, new opportunities emerged to develop materials for future applications. In this Thematic Issue, we propose an exciting collection of papers that comprehend the latest advances made in the production of sustainable polymeric materials from renewable resources, including fundamental research done on the synthesis and characterization of polysaccharides-derived polymers. Keywords

- Polysaccharides
- Biodegradable polymers
- Renewable resources
- Bio-based materials
- Polysaccharides functionalization

Guest Editor

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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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