Special Issue

Future Trends and Perspectives of Novel Polymeric Materials and Their Applications

Message from the Guest Editor

Polymer-based materials have a superior status in all engineering sciences that attempt to address modern technology requirements. Particular applications require using advanced materials that must comply with the criteria of complex combinations of properties. What is desired most of such materials is they be lightweight, show durability, biocompatibility, biodegradability, and have optoelectrical properties and starting materials that originate from renewable resources . Special attention is also paid to reducing the burden on the natural environment, manufacturing simplicity, and cost efficiency. This Special Issue is to showcase research regarding the preparation and characterization of novel monomers, polymers, and polymeric materials. Explorations of detailed material characteristics in the context of potential applications and deeper discussions on structure–property relationships are welcome.

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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