Special Issue

Synthesis, Performance and Application of Polymers Materials

Message from the Guest Editors

The advent of novel polymer synthesis tools, such as living radical polymerizations, various "click" chemistry strategies, coupling reactions, hydrothermal, solvothermal, and sonochemical synthesis, were simultaneously employed for the synthesis of various polymeric materials for various applications. Recently, the utility of polymers based on nanomaterials has been very distinct, involving many potential applications, and has been proposed for their use in various applications. The goal of this Special Issue is to highlight the development and fundamental features for the synthesis, characterization, properties, and application of novel polymeric materials, as well as to look ahead to future possibilities. Original research articles and review papers relating to polymer synthesis, modifications of natural polymers and synthetic polymers, preparation and characterization of polymeric micelles/nanogels/hydrogels/polymer nanocomposites, and different applications of functional polymers would be highly welcomed.

Guest Editors

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Deadline for manuscript submissions

closed (10 November 2023)

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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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