Special Issue

Fabrication, Characterization, and Application of Polymeric Nanocomposites

Message from the Guest Editor

This Special Issue will present studies on different polymeric nanocomposites used for designing specific systems, their unique properties, the network protocols applied, the different types of activities that can be monitored, and examples of electronic applications of polymeric nanocomposites in sensors. This Special Issue invites original papers and reviews reporting on the recent progress in the following areas: -Preparation, formation, synthesis of polymer nanocomposites -Physical and chemical properties of nanostructured polymers -Fabrication methods of the polymeric nanocomposites for biosensors -Chemical and physical surface modification of polymeric nanocomposites -Next-generation polymeric nanocomposites based flexible sensor -Integration process of polymeric nanocomposites-based biosensors into smart devices and their point-of-care test -Polymer nanocomposites in future biomedical application -Multi-Functional Polymer-Based Nanocomposites -Advanced polymer composites for electrical application

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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