Special Issue

Polymer Composites: Development and Functionality

Message from the Guest Editor

A key of polymer composites' success is rooted in their versatility, as polymers can be combined as matrices, with hundreds of different options, and other compounds from nanoscale to macro scale give infinitive solutions to create new materials. Likewise, polymer composites' applications have grown extensively from mainly structural to many different fields. We are presently living a new industrial revolution based on the changes we have experiences in our lifestyles in recent years. This process has led to one of the top problems of our generation, environmental protection. Therefore, multifunctional polymer composites must play an important role in the future due to their versatility. Thus, the topic of this Special Issue is really broad, from the use of new resins such as bio, recyclable, or healable resin, among others, to all kind of additives or reinforcements which provide different multifunctionality to composites. Manufacturing processes are also of interest in this Special Issue, as new or improved technologies are essential in the development and implementation of polymer composites in our evolving style of life.

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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