Special Issue

Polymer Composites and Interfaces

Message from the Guest Editor

This Special Issue aims to highlight investigations on surface modification/characterization of fillers/fibers, new concepts/approaches for functional and/or self-healing interfaces/interphases in polymer composites, as well as characterization techniques and theories at different scales. Contributions are welcome on recent experimental and theoretical aspects aiming on understanding the effect of interface/interphase structure and structure of composite components on chemical, mechanical, physical and thermal properties, as well as on fracture mechanics of polymer composites at different scales. Reports of research studies on biomaterial based polymer composites using sustainable technologies are highly appreciated.

Keywords

- polymer composites
- characterization at different scales
- theory at different scales
- self-healing
- sustainability

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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