Special Issue

Process, Structure and Mechanical Behavior of Polymer and Composite Materials

Message from the Guest Editor

Polymer and polymer-based composite materials have become a crucial part of our lives because of their unique properties, such as low weight, relatively easy processability, corrosion resistance, etc. The broad variety of polymer properties is the main reason for the assortment of applications. Polymer materials and composites are extensively applied in the production of packaging, machine parts, sport equipment, electronic instruments, and medical devices as well as in home building, military, and spacecraft industries. Original papers on macro-, micro-, and nanomaterials based on polymers or polymer–matrix composites and their characterization and fabrication are being sought.

- polymer materials
- composite materials
- physicochemical properties
- mechanical properties
- surface properties
- interfacial interactions
- manufacturing

Guest Editor

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Deadline for manuscript submissions

closed (20 June 2022)

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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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