

Special Issue

Processing and Mechanical Properties of Polymer Composites

Message from the Guest Editors

This Special Issue, titled "Processing and Mechanical Properties of Polymer Composites", will collect manuscripts reporting creative concepts and new findings in design, state-of-the-art approaches in processing, synthesis, characterization, mechanical modelling and properties. Its articles will identify problems that limit the performance and reliability of a composite material and its composite parts and propose solutions that lead to innovation in design and the successful exploitation and commercialization of composite materials across the widest spectrum of engineering uses. In addition to traditional fiber-/particulate-reinforced engineering composites, research on topics such as composites with outstanding physical, mechanical and fracture properties, and unique functions and, thus, significant application potential, such as biomimetic and bio-inspired nano-composites for thermal management, energy harvesting and storage, fiber-reinforced polymers, and composites for extreme service environments, is encouraged.

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About the Journal

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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