

Special Issue

Advanced Polymeric Materials: Synthesis, Properties, and Applications

Message from the Guest Editor

Some of the challenges of the 21st century, such as energy, healthcare, and sustainability, demand the development of advanced polymeric systems with specific required properties and multifunctionality. This Special Issue on “Advanced Polymeric Materials: Synthesis, Properties, and Applications” will include recent innovations and developments on the following types of advanced polymer systems: polymers with self-healing, sensing, or switching properties; advanced coatings and textiles; hydrogels for 3D bioprinting; advanced multiphasic polymer systems; smart drug delivery systems; materials for energy storage applications; and novel, high-performance bio-based polymers, and composites. It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

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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