

Special Issue

Functional Polymer Materials for Biomedical Applications

Message from the Guest Editors

Functional polymer materials offer adaptability, tunability, and responsiveness for applications in drug delivery, tissue engineering, regenerative medicine, diagnostics, imaging, and biosensing, enabling controlled release, biocompatibility, and targeted functionality for improved clinical outcomes. This Special Issue aims to showcase cutting-edge research and translational approaches in biomedical polymers, covering topics such as novel polymer design, stimuli-responsive systems, biocompatible and biodegradable polymers, nanomaterials, gels and hydrogels, multifunctional polymers, surface engineering, biosensing, tissue engineering, and pathways to clinical translation, fostering interdisciplinary exchange and innovation.

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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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