

Special Issue

Advances in Functional Polymers and Materials: Design, Synthesis, and Application

Message from the Guest Editors

Functional polymers and materials have found numerous applications in practical areas of greatest interest, including biomedical applications, optoelectronics, sensing and actuating, energy transport and storage, highly selective catalysis, antifouling, and so on, to list just a few with the highest rates of development. This Special Issue aims to bring together valuable contributions from both academia and industry R&D, thus providing an extended coverage of the subject. Original research articles, comprehensive reviews, and short communications are welcome, and contributions regarding toxicity and environmental issues, scalability and technological transfer, cost-effectiveness, and affordability are encouraged as well. Topics include, but are not limited to, synthetic functional polymers; biopolymers; synthesis and characterization; functional polymer materials (blends, (nano)composites, complexes); functional polymers, such as (nano)particles, micelles, films, and gels; applications.

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Message from the Editorial Board

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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