

Special Issue

Polymers, Multifunctional Nanomaterials, and Composites

Message from the Guest Editors

The study of modern materials with specific properties for advanced applications is now a fast-growing part of science and technology. Polymers, multifunctional nanomaterials, and composites have been demonstrated to be applicable in a range of technologies due to their special physical, chemical, and functional properties. Such materials are used in many applications, ranging from advanced research systems used in engineering, medicine, and environmental protection to devices used in everyday life. Therefore, extensive research efforts have been devoted to developing these materials in terms of their synthesis, engineering, functionalization, and applications. This Special Issue aims to present the state-of-the-art and recent advances in the field of these materials' properties and applications, including (but not limited to):

- the preparation and characterization of new polymer materials;
- the modification of polymeric and ceramic membranes;
- structural and optical properties of thin films, nanostructures, and nanomaterials;
- applications of multifunctional materials; and
- computational modeling of nanomaterials, polymers, and composites.

Guest Editors

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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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