

Special Issue

Advanced Polymers and Composites for Multifunctional Applications, 2nd Edition

Message from the Guest Editors

Advanced polymers and composites are an interesting and rapidly growing class of novel multifunctional materials with desirable properties, intended for specialized applications.

The structure and properties of advanced polymers and their composites strongly depend not only on the type of polymer matrix and the architecture of the polymer chains, but also on the filler's type and content, shape, size, and compatibility with the polymer matrix. However, further functionalization and modifications can provide new properties and allow for the development of multifunctional systems for advanced applications.

This Special Issue of *Materials* will attempt to cover the most recent progress in advanced and high-performance multifunctional polymer (nano)composites, including their preparation, compatibilization, and processing, along with the properties and methods of their characterization. Papers on the applications of advanced multifunctional polymer (nano)composites, ranging from automotive and buildings, mechanical engineering, and energy to electronics and biomedicine, are welcome. We hope that this Special Issue will present perspectives on advanced multifunctional polymer systems.

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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