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Properties, Design and Structure of Advanced Polymers and Composite Materials

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Message from the Guest Editors

Engineered polymeric materials and composites with enhanced properties and performance are increasingly being investigated. Advanced polymers and composite materials have been developed for different applications. In fact, the structural architectures, rheology, processing, mechanical and morphological properties, as well as degradation behavior are of outstanding importance for peculiar applications. Therefore, this Special Issue aims to provide an overview of current efforts and recent advances in the field of advanced polymers and composite materials, focusing on their properties and design. Topics include (but are not limited to):

- Design, properties, and characterization of new advanced polymeric materials;
- Structural and physical-chemical properties of polymeric composites, nanostructures, and nanomaterials;
- Applications of advanced polymeric materials and composites;
- Degradation and sustainability features of nanomaterials, polymers, and composites.

Original research papers, review articles, and short communications for this Special Issue are welcome.



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Special Issue



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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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