

Special Issue

Polymers, Copolymers, Block Copolymers and Nanoparticles

Message from the Guest Editors

The discovery of polymers provided a new class of materials characterized by reduced weight, good mechanical and thermal properties, and no corrosion. These general features have been further improved by linking various macromolecular chains via covalent bonds into complex block copolymers. The recent discovery of nanomaterials and of their unique physical and chemical properties is now reshaping the potential applications of polymer-based materials and their nanocomposites. This Special Issue aims to theoretical and experimental articles focused on the above-mentioned aspects in polymers, copolymers, block copolymers, polymer-based composites, and nanocomposites. Studies on modified (such as improved mechanical properties, enhanced physical properties) or new (such as electrical conductivity in insulating polymeric matrices) physical, chemical, and structural features due to submicron confinement or addition of nanoparticles are welcomed. Studies on the lifetime and degradation of confined polymeric materials and (nano)composites are also welcomed.

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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