Special Issue

Functionalized Polymer Nanocomposites: Synthesis and Applications

Message from the Guest Editor

In recent years, multifunctional polymer nanocomposites have attracted interest due to their advanced properties, such as unique structural and physical characteristics. Furthermore, the surface of monomers/polymers can be easily functionalized by either tuning their polymerization techniques or cross-linking sites, according to the desired application type. In another approach, polymers with inorganic nano-fillers such as carbon nanomaterials, TiO2, and MoS2 and so on have assisted the fabrication of high-performance multifunctional polymer nanocomposites. These synthesis approaches have been used for the development of new cutting-edge materials for environmental remediation to bioelectronics. Therefore, a knowledge-based synergistic development of the structure-property relationship of functionalized polymer composites needs to be addressed in detail. This relationship is important to know the role of each precursor material for the development of the composite and its effect on the corresponding application.

Guest Editor

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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