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Recent Advances in Functional Polymer Nanocomposites

Guest Editor:

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Deadline for manuscript submissions:

closed (10 January 2023)

Message from the Guest Editor

Dear Colleagues,

A nanocomposite is defined as a multiphase solid material with at least one of the dimensions of one of the constituents on the nanometer scale. nanocomposites are defined as a mixture of two or more materials, where the matrix is a polymer and the dispersed phase has at least one dimension less than 100 nm. Typical polymer nanocomposites are materials that incorporate nanosized particles in a matrix of polymer material. The inclusion of the nanoparticles induces significant improvements in a variety of properties. Because of high interface areas and strong interfacial interaction between dispersed phase and matrix phase, the nanocomposites possess unique, enhanced properties compared to conventional macro- or micro-composites, including mechanical. electrical. thermal. optical and electrochemical properties.

The contents of the Special Issue will specifically, though not exclusively, include:

- polymer nanocomposite
- thin film
- interfacial interaction













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Editor-in-Chief

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Message from the Editor-in-Chief

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