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Modeling, Characterization and Applications of Multifunctional Polymer Composites Based on Carbon Nanostructures

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Message from the Guest Editor

Polymer nanocomposites based on carbon nanostructures are increasingly studied due to the possibility to achieve tailored and combined mechanical, thermal and electrical properties. The overall performances of the nanocomposites are strongly dependent on multiple factors correlated to polymer properties, filler features, filler-polymer and filler-filler interactions, the processing condition, and so on. For this reason, experimental characterization together with theoretical studies and modeling are required for improving the knowledge of basic physical mechanisms and processing conditions leading to the optimization of the desired performances.

In light of this, the forthcoming Issue intends to provide an opportune framework for presenting the latest scientific findings concerning different scientific issues associated to the development of these materials. It is my pleasure to invite you, as a renowned scientist in this field, to submit your recent work to this Issue of the journal.

- Polymer nanocomposites
- Nanoparticles
- Carbon-carbon composites (CCCs)
- Characterization of nanocomposites
- Correlation among morphological, thermal, mechanical, and electrical properties



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Message from the Editor-in-Chief

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