



Advances in Nanofillers Reinforced Polymer Nanocomposites

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Message from the Guest Editor

Dear Colleagues,

Recently, new-generation nanomaterials such as graphene (GE), carbon nanotube (CNT), and clay have been used as nanofillers to improve properties of unfilled polymer matrices. These nanofillers are characterized with at least one dimension below 100 nm. Moreover, these nanofillers improve the properties to an optimum amount at very small amount as compared to CB. These advantages mean that such nanofillers are a promising alternative to CB-reinforced polymer composites.

This Special Issue will address the use of these nanofillers in polymer nanocomposites as an alternative to CB, and their effect on mechanical, electrical, and thermal properties. The improved properties of these nanofillers may be explored in industrial applications such as piezo-electric actuation, piezo-resistive strain sensor, coatings, energy harvesting, tires, etc.





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