



Carbon-Based Polymer Nanocomposites

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Message from the Guest Editors

In recent years, carbon-based polymer nanocomposites have gathered increasing interest thanks to the high efficiency of nano-sized carbon fillers in modifying the electrical and thermal conductivity of the polymer in which they are embedded, even at a very low content. Moreover, carbon fillers can significantly affect the thermal stability and mechanical and barrier properties, with a resulting multifunctional effect that makes them particularly desirable.

The aim of this Special Issue is to collect several studies on the development of advanced polymer nanocomposites based on carbon-based nanofillers (such as, for instance, carbon nanotubes, graphene, etc.). The submitted studies can deal with both thermoplastic and thermosetting polymers as a matrix. Papers presenting studies on the relationship between processing, morphology, and properties, as well as those focused on the development of novel technological applications, are particularly welcome in this Special Issue.

