



Graphene-Reinforced Polymer Composites

Guest Editor:

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Deadline for manuscript
submissions:

closed (30 October 2023)

Message from the Guest Editor

The graphene of different structures has amazing mechanical properties, which makes it theoretically a decent fortification in polymer framework composites to enhance the thermal, electrical, mechanical, and optical properties of the polymers. **Graphene-Reinforced Polymer Composites** are focused on novel routes to develop and characterize graphene-reinforced functional polymer composites. Graphene prepared via the chemical vapor deposition approach, exfoliation method, epitaxial growth, and wet-chemistry approach are all encouraged. Polymers such as epoxy, PS, polyaniline, polyurethane, poly(vinylidene fluoride), Nafion, polycarbonate, PET, and so on are all suitable. The functions and efficiency of various graphene/polymer functional composites are also focusing on the polymer source of adsorption materials, the application of catalytic materials in chemical reactions, the pore size characteristics of separation materials (low permeability, nanofiltration, ultrafiltration, microfiltration), and the use (tissue engineering and medical materials) of biomedical materials.





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