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Graphene Nanocomposites: Environmentally Friendly Synthesis and Applications

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Message from the Guest Editors

Dear Colleagues,

Graphene nanocomposites have gained vast attention due to their ultrafine size and shape-dependent physicochemical properties. Indeed, novel synthesis of graphene nanocomposites deserves special attention. Several routes including chemical and physical synthetic methods are proposed for the preparation of such nanocomposites. However, to avoid environmental drawbacks and high production cost, environmentally friendly synthesis has been largely focused on. Since the microstructure and properties are extremely tunable via green synthetic methods, it is very interesting to investigate the graphene nanocomposites derived from such methods.

In this Special Issue, we invite authors to submit original research and review articles that focus on environmentally feasible synthesis and applications of graphene nanocomposites. Particularly, the preparation of graphene nanocomposites under environmentally feasible conditions (without using toxic reagents) is one of the main focuses of this Special Issue. Potential applications of graphene nanocomposites in energy storage, catalysis, sensors, and biomedical, are also of interest.