



The Potential of Graphene and Other Carbon-Based Nanomaterials to Enhance the Performance of Materials

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Message from the Guest Editors

Dear Colleagues,

Graphene is a two-dimensional layered material composed of sp^2 hybridized carbon atoms and combines exceptional thermal and electrical conductivity with lightweight, flexibility, and strength. Graphene can be used in its pristine form, as well as functionalized forms (starting from graphite oxide or graphene oxide). Moreover, other carbon-based nanomaterials, such as carbon nanotubes, graphite, fullerene, and carbon fiber, are seen as “graphene derivatives”. Graphene and other carbon-based materials are often employed as reinforcing agents for polymers, ceramics, metal, steel, aluminum, and other types of alloys.

This Special Issue aims to expand the state of knowledge on the use of graphene (in both pristine and functionalized forms), and other carbon-based nanomaterials to reinforce a large variety of polymers (synthetic, bio-based, thermoplastics, thermosets, amorphous or semi-crystalline), as well as ceramics, metal, steel, aluminum, and other types of alloys.

Research papers, as well as reviews, are welcome.

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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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