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## Graphene Foam Based Composites

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### Message from the Guest Editors

The advent of carbon nanomaterials has had a profound impact on materials engineering and technology at large, due to the exceptional properties of these materials. Graphene foam is a new class of material that addresses one of the most significant challenges hindering the broad implementation of nanocarbon-reinforced composites—*dispersion*. Graphene foam presents a unique and intrinsic solution to the problem of nanoparticle dispersion by providing a pre-existing three-dimensional template structure consisting of graphene nanoplatelets. This Special Issue seeks to present the latest findings in the exciting field of graphene-foam-based composites, including polymer, metal, and ceramic matrix composites. Graphene foam composites have shown exciting properties and potential applications, including de-icing films and coatings, biocompatible scaffolds, electrochemical platforms, and embedded sensors. The fundamental properties of graphene foam composites are still being explored, including deformation mechanisms, transport properties, and the effect of the synthesis route on microstructural evolution.

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*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

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