Special Issue

Synthesis and Applications of Graphite Oxide and Graphene Oxide Nanocomposites

Message from the Guest Editor

With less than two decades of history and a greatly increasing number of research papers and reviews, the development of GO-based inorganic composites with functional (e.g., magnetic, fluorescent) properties has become a hot topic. Despite this growth, there is a lack of a collection of papers that describe not only the current status of one type of graphene oxide nanocomposites, but provides a more comprehensive overview of this subject with emerging applications. Within the frame of the present Special Issue, we intend to compile a set of publications selected in the broad field of the "Synthesis and Applications of Graphite oxide and Graphene Oxide Nanocomposites". Likewise, contributions in which GO may either serve as a matrix material or as the dispersed counterpart of the nanocomposite phase all fall within the scope of the present issue. Synthesis routes may range from conventional bulk blending or casting methods to advanced film deposition methods of Langmuir–Blodgett or Layer-by-Layer assembly.

Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

Editor-in-Chief

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