



Graphene-Based Nanocomposites and Manufacturing

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Deadline for manuscript submissions:

closed (10 November 2020)

Message from the Guest Editors

Dear Colleagues,

Over the last decade, the development of graphene-based nanocomposites has been greatly evolved by rapidly developing material science and manufacturing techniques. The very dynamic scientific efforts and advancement in this field encouraged us to introduce this Special Issue on the different aspects of graphene/graphene nanocomposites from materials development, and manufacturing to applications demonstration with main focus, but not exclusively, on the following topics:

- Graphene nanocomposites in sensing, EMI shielding, heat dissipation and energy management;
- Graphene nanocomposites with different host matrices;
- Graphene-based porous structures, films, membranes and coatings;
- Biomedical applications of graphene-based structures;
- Novel characterization technologies of graphene and graphene-based nanocomposites;
- Manufacturing of graphene and graphene-based nanocomposites;
- Scalable transferring technologies of graphene/2D materials.



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Special Issue



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Message from the Editor-in-Chief

Welcome to *Crystals*, the journal dedicated to the fascinating world of crystallographic research! Crystals are more than mere decorative elements; they hold the key to understanding the fundamental structure of matter. Our mission is to explore the crucial significance of this research across various fields. From medicine to technology, chemistry to geology, crystals play a vital role. Their structure provides insights into new advanced materials, innovative drugs, and groundbreaking technologies. Through *Crystals*, we delve into the microscopic world to discover solutions that will shape the future. Join us on a journey through the *Crystals*, where science merges with beauty and innovation.

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