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Composites with Carbon Nanotubes: An Outlook

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Message from the Guest Editor

Carbon-based nanomaterials such as carbon nanotubes have lately attracted huge interest among the scientific community due to their vast potential for a broad number of applications owing to their large specific surface area, high electrical and thermal conductivity, and outstanding mechanical properties. The combination of carbon nanotubes with other materials such as metals or polymeric matrices (i.e., thermoplastics, epoxies, conducting polymers, biopolymers, etc.) leads to new nanocomposites with improved structural and functional properties due to synergistic effects, with applications in a variety of fields, such as in electronics, energy storage, automobiles, aerospace engineering, biomedicine, and so forth.

This Special Issue is planned to bring together a number of original papers and reviews covering all aspects related to the design, synthesis, preparation, and characterization of composites based on carbon nanotubes. Both theoretical and experimental papers are welcomed.



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Special Issue



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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.

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