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Graphene-Based Materials for Cancer Therapy

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Deadline for manuscript submissions:
closed (15 June 2023)

Message from the Guest Editors

Dear Colleagues,

Graphene-based nanomaterials such as fullerenes, carbon nanotubes, graphene oxide and graphene quantum dots have shown great potential in nanomedicine and biotechnology. Their physical and chemical properties and the presence of more reactive groups on the graphene surface, which allow the multimodal conjugation with different functional groups and biologically active molecules, make them ideal candidates for cancer diagnosis and treatment. These nanomaterials have been conjugated with drugs and tumor-targeting ligands for a more efficient targeted delivery and have been also investigated as imaging agents and biosensors for the identification of cancer bio-markers. “Graphene-based materials for cancer therapy” aims at collecting full papers communications and reviews that prominently demonstrate the continuous efforts in developing advanced, graphene-based nanomaterials for cancer treatment and diagnosis.

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Guest Editors

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Editor-in-Chief

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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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