Special Issue

Carbon Nanomaterials for Therapy, Diagnosis, and Biosensing

Message from the Guest Editors

Nanoplatforms originating from the synergistic combination of carbon based nanomaterials with various functional molecules, such as drugs, natural compounds, biomolecules, polymers, metal nanoparticles, and macrocycles, and with a relevant perspective on drug delivery, multitargeted therapy, theranostics, as well as scaffolds in tissue engineering and biosensing, will be highly considered for publication. In particular, this issue seeks works that offer novel insight into the following subjects: i) Synthetic approaches to improve therapeutic performances of carbon nanomaterials as drug carriers, including stimuli-responsive properties and as gene vectors; ii) design of carbon nanomaterials for diagnosis and theranostics, highlighting the physicochemical characterization and their correlation with the biological properties; iii) scaffolds based on carbon nanomaterials for regenerative medicine and tissue engineering; iv) novel carbon nanomaterial platforms as biosensors or “old” carbon nanomaterials with novel biosensing properties.

Guest Editors

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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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