Special Issue

Graphene in Biomedical Application

Message from the Guest Editor

It is my pleasure to invite you to submit reviews, regular research papers and communications to this Special Issue on “Graphene in Biomedical Applications”. This issue provides a forum to present recent results and developments, highlighting the progress and vast future possibilities of graphene and graphene derivatives in biomedical applications. The physical and chemical properties of graphene derivatives vary over wide span depending on, e.g., dimensions, surface functionality, covalent derivatization or functionalization by electrostatic and hydrophobic interactions. Thanks to the palette of structures and properties the potential applications of graphene derivatives in the field of biomedicine are many ranging from imaging and biosensors to photodynamic therapy, drug/gene delivery and tissue engineering, where graphene can provide multiple new functionalities and options. Of great interest is also the antibacterial activity and good biocompatibility in cell cultures demonstrated by many of the graphene derivatives, such as graphene oxide and reduced graphene oxide. I look forward to your submissions within this fascinating topic.

Guest Editor

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Deadline for manuscript submissions

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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