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Graphene in Biomedical Application

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Deadline for manuscript
submissions:

closed (5 May 2019)

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.



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Special Issue



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Message from the Editor-in-Chief

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