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Advances in Research on Graphene and Related Materials: From Preparation and Tuning Properties to Applications

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Deadline for manuscript
submissions:

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Message from the Guest Editors

In this special Issue is intended to present from basis of Graphene properties towards advances in the cutting edge of knowledge focused on last studies in progress. It is intended to show and discuss Research in many topics such as; i) semiconductors, ii) Opto-electronics, iii) Nano-Optics; iv) Electromagnetic fields, v) Plasmonics, vi) Quantum Dots; vii) Quantum emissions; viii) Quantum phenomena; ix) Thermo-responsive properties, etc.. In this manner many approaches and strategies are attended to present and develop, as for example i) design and synthesis of Optical active Nanoplatforms; ii) chemical modifications of Graphene and derivatives; iii) chemical modification of substrates; iv) Hybrid Nanocomposites; ii) Heterojunctions; iii) Nano-, Micro-devices; etc. Moreover the implication of Graphene based materials within Bioapplications open the possibility to propose Research works focusing on Bioconjugation and uses in Nanotechnology from Nanomedicine to frontiers in Quantum Biology. In this manner it is attended to cover a wide spectrum of interest involucrad.

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Message from the Editor-in-Chief

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