

Special Issue

Advances in Graphene Film and Composites

Message from the Guest Editor

Graphene, as well as trans-metal dichalcogenides (TMDs) have appeared as the materials with the unique features that make them attractive for application in nanotechnology. Since such materials reveal a very small bandgap (or even lack of it), manipulation with the electronic structure is necessary to unlock their full potential. Successful engineering with the crystal structure of the 2D crystals leads to opening of the bandgap, and therefore, for the wide variety of applications in nanotechnology, encompassing (opto-)electronics, spintronics, sensorics, as well as surface science and biochemistry. The main feature of this Special Issue is to provide an open-source sharing of the current significant results in the field of the graphene preparation, its further functionalization and manipulation with its physical and chemical properties, as well as their characterisation using different theoretical and experimental methods.

Guest Editor

Dr. Karolina Anna Drogowska-Horná

Target Laboratory, Extreme Light Infrastructure - Nuclear Physics (ELI-NP), Strada Reactorului 30, 077125 Măgurele, Romania

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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Prof. Dr. Maurizio Battino

Department of Odontostomatologic and Specialized Clinical Sciences,
Sez-Biochimica, Faculty of Medicine, Università Politecnica delle
Marche, Via Ranieri 65, 60100 Ancona, Italy

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