Special Issue

Graphene-Related Materials: Synthesis and Applications

Message from the Guest Editors

Since the discovery in 2004 of the groundbreaking properties of graphene, a truly one-atom-thick two‐dimensional crystal of conjugated carbons arranged in a honeycomb lattice, there has been intense and growing research interest due to the potential of its utilization in high technological-impact applications. The main aim of this Special Issue "Graphene-Related Materials: Synthesis and Applications" is to collect selected original and innovative articles presenting the very recent trends and advances on the design, synthesis, modifications, characterization, and applications of graphene-based materials and their composites. The field of the applications of these materials is not limited, although the foremost interest is within the areas of energy storage and conversion, electronics, medicine, adsorption, catalysis, sensing, and structural composites. Environmentally friendly and sustainable applications are also of a great interest. We welcome submissions of original research papers, communications, or reviews.

Guest Editors

Prof. Dr. Michal Otyepka

Dr. Dimitrios Giannakoudakis

Dr. Aristeidis Bakandritsos

Deadline for manuscript submissions

closed (3 December 2021)

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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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