Special Issue

Advanced Carbon Nanostructures: Synthesis, Properties and Applications II

Message from the Guest Editors

This Special Issue will focus on the synthesis, purification, sorting, functionalization, characterization, chemical and physical properties, application, theory, and modeling of carbon nanotubes, graphene, graphene nanoribbons, 2D heterostructures, fullerenes, nanodiamonds, and other novel carbon nanostructures. The Issue is intended to provide a comprehensive overview of the recent and forthcoming progress in the field to help researchers to quickly find and identify related and relevant publications for their own work on carbon nanostructures. We invite interested authors to submit their original experimental and theoretical papers, as well as review articles within the subject, for inclusion in this Special Issue, which will boost the visibility of their work. See more information in https://www.mdpi.com/si/152893 Dr. Marianna V. Kharlamova

Guest Editors

Dr. Marianna Kharlamova

Dr. Christian Kramberger

Dr. Alexander Chernov

Deadline for manuscript submissions

closed (20 March 2024)

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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