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Advanced Carbon Nanostructures: Synthesis, Properties and Applications

Guest Editors:

Dr. Marianna V. Kharlamova

Dr. Christian Kramberger

Dr. Alexander Chernov

Deadline for manuscript submissions:
closed (1 November 2022)

Message from the Guest Editors

Dear Colleagues,

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. It will help researchers to quickly find and identify related and relevant publications for their own work on carbon nanostructures. See more information in
https://www.mdpi.com/si/52288

We invite interested authors to submit their original experimental and theoretical papers as well as review articles themed within the subject for inclusion in this Special issue, which will boost the visibility of their work.

Dr. Marianna V. Kharlamova
Dr. Christian Kramberger
Dr. Alexander Chernov
Guest Editors

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Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
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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.

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