Special Issue

Surface Chemistry, Catalytic Properties and Applications of Carbons and Carbon Nanomaterials

Message from the Guest Editor

Carbonaceous materials, which last for years, offer the promise of “properties-by-design” toward numerous, everyday practical applications, from electronics to medicine. Due to their remarkable properties, such as high stability and the ability to formulate different compounds due to various hybridizations, carbon nanomaterials are a topic of scientific interest in several fields of research. The present Special Issue will focus on the most recent advances in the research on novel carbons and their applications. Topics related to all kind of carbonaceous nanomaterials, such as nanodiamond, graphite, graphene and its derivatives, fullerenes, nano-onions, nanohorns, and nanotubes are welcome. I invite scholars involved in theoretical studies, synthesis and characterization methods, physicochemical and biological properties, engineering and applications, and other research areas to contribute original research papers, as well as review articles, to this Special Issue in order to give the readers of *Nanomaterials* a new perspective on these versatile and useful materials.

Guest Editor

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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

Prof. Dr. Eugenia Valsami-Jones
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