

Special Issue

Carbon-Based Nanomaterials and Sensor

Message from the Guest Editor

Carbon-based nanomaterials like carbon nanotubes, graphene, graphite flakes, graphite, carbon nanowalls, carbon fibers, carbon black etc., possess multiple exceptional properties, which make them valuable in various applications, for example, as carbon based electro-mechanical, electro-chemical and strain, temperature, humidity, vapors or gases sensors, biosensors, stretchable electronic skin, or at the same time usually they can pose multifunctional properties etc. The titled Special Issue aims to cover current experimental and/or theoretical studies, in the field of Carbon-Based Nanomaterials and Sensor. Materials fabrication routes, their characterizations, functionalities as sensors for different kind of stimuli or explanation of detection principles, are very welcome.

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

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