

Special Issue

Synthesis, Chemical–Physical Properties, and Biocompatibility of Carbon-Based Nanocomposites

Message from the Guest Editor

The Special Issue, titled "Synthesis, Chemical–Physical Properties, and Biocompatibility of Carbon-Based Nanocomposites", aims to gather high-quality original research articles, reviews, and short communications that explore recent advancements in the synthesis, processing, characterization, and application of carbon nanocomposites. Particular emphasis will be placed on studies investigating the relationships between synthesis methods, chemical–physical properties, and biocompatibility. The latter is a key aspect in the development of materials for applications in biomedicine, biosensing, drug delivery, and tissue engineering. We are confident that this collection will serve as a valuable reference for researchers and practitioners in the fields of materials science, nanotechnology, and biomedical engineering, providing insights into both fundamental aspects and applied perspectives of carbon nanocomposite systems.

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

Editor-in-Chief

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