Special Issue

Synthesis of Functional Nanoparticles for Biomedical Applications

Message from the Guest Editors

These nanoparticles are notable for their high multifunctionality, which is due to their unique physicochemical characteristics, such as controlled morphology and versatile surface modification capabilities. A wide range of materials—including polymers, metal oxides, silica, noble metals, and carbon—can be used to fabricate nanoparticles. These structures can be engineered specifically to deliver bioactive substances, such as proteins, nucleic acids, or small molecules, thereby enabling a variety of biomedical applications.

- functional nanoparticles
- biomedical applications
- drug delivery
- multifunctionality
- nanomedicine

We look forward to receiving your contributions.

Guest Editors

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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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