Special Issue

Nanostructured Materials for Biological and Pharmaceutical Applications

Message from the Guest Editor

The aim of this Special Issue is to highlight recent advances in all aspects relevant to the design, synthesis, and characterization of nanostructured materials for intended applications as drug and gene delivery systems, stimuli-responsive therapeutics, bioimaging agents, bioanalytical diagnostics, theranostics, tissue engineering scaffolds and devices, antibacterial agents, etc. This Special Issue of *Nanomaterials* will collect original high-quality research papers focused on the most recent advances and comprehensive reviews addressing state-of-the-art topics in the field of various nanostructured materials for biological and pharmaceutical applications.

Guest Editor

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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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