Special Issue

Nanopharmaceutics

Message from the Guest Editor

Nanomaterials have recently been utilized in a number of different applications in biotechnology, pioneering advances in the biomedical field through the areas of drug delivery, imaging, sensing, and tissue engineering. They have been demonstrated to substantially enhance treatment efficacy, protect healthy tissue from the adverse effects of toxic therapeutics, safely deliver degradable genetic medicines, target the therapies to the disease site, and serve as therapeutics on their own. Nanomaterials can be structurally adapted to a particular application and rendered biocompatible while facilitating the imaging and diagnostics of a variety of conditions. Such multifunctionality can address critical biomedical issues and enable novel advantageous pharmaceutic approaches. This Special Issue of *Nanomaterials* aims to cover the latest advancements in the applications of nanomaterials in the development of pharmaceutical platforms and formulations for a variety of conditions. The scope of the issue includes drug and gene delivery, diagnostic or theranostic formulations, as well as nanomedicines.

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.

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