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Nanoparticles for Bio-Medical Applications

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Message from the Guest Editors

Dear Colleagues,

The application of nanotechnology in many different biomedical fields is expected to revolutionize the biotechnological and pharmaceutical industries and enhance the life quality of patients in the near future. In this regard, much effort has been put into designing different types of organic, inorganic and hybrid nanoparticles for tissue engineering, treating infectious diseases, cancer treatments, etc.

This Special Issue will collect research papers, reviews and communications on the different biomedical applications of nanoparticles (anticancer and antibacterial drug delivery, bone regeneration, sensing, bioimaging, etc.). In addition, research on overcoming the different biological barriers that nanoparticles face in the organism as well as the interaction of nanoparticles with the surrounding media will be welcomed. See more information in

<https://www.mdpi.com/si/61210>

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Special Issue



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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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