Special Issue

Nanobiomaterials in Therapy and Medical Diagnosis

Message from the Guest Editors

Theranostics, combining therapy and diagnostics, is currently a dynamically developing field of science based on nanobiomaterials in the form of nanostructured materials such as nanocomposites, nanoparticles, nanolayers, or other nanometric forms. This Special Issue aims at enabling scientists to share their current scientific achievements in the development of nanobiomaterials intended for use in the broadly understood field of theranostics, including drug and biological molecule delivery (genes and aptamers), targeted therapy, cancer therapy, medical imaging and diagnostics, scaffolds for tissue engineering delivering biologically active agents, and in the treatment of bacterial infections.

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

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