Special Issue

Organic and Inorganic Nanostructured Composites for Medical Application

Message from the Guest Editors

We would like to invite you to submit your work to this Special Issue of *Nanomaterials*. Hybrid nanocomposites made up of inorganic NPs and/or organic materials such as enzymes represent a new class of materials that exhibit improved synergistic performance when compared to their individual contributions. The recent combination of the disciplines of nanotechnology and biology has led to some very important theoretical and practical advances in both biology and nanoengineered materials. However, the design and synthesis of such hybrid bionanomaterials remain a challenge in terms of tailoring the structures of the bionanomaterials in response to their applications. The scope of this Special Issue is the creation of nanostructures that is not only focused on hybrid nanocomposites that are made up of both inorganic and organic materials but also on the new advanced combination of organic polymers and organic nanoparticles when trying to avoid the use of metal or metal oxides. See more information in https://www.mdpi.com/si/117205

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

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