Special Issue

Bionanotechnology

Message from the Guest Editor

We would like to invite you to submit your work to a Special Issue of *Nanomaterials* on "Bionanotechnology". 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. Bionanotechnology is an inter-disciplinary area of research placed at the interface of chemistry, biology, materials science, engineering, and medicine, which finds application in many technological fields. Biological systems are essential in nanotechnology, and many new applications are being developed by mimicking the natural systems. The scope of this Special Issue on bionanotehcnology is to focus not only on biomedical applications that usually are the main subject of research in this field but also on new advanced applications in all sectors, including the biomedical, food, agriculture, energy, and environment areas.

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

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