Special Issue

Biomedical Applications of Metal Nanomaterials

Message from the Guest Editor

The application of nanomaterials to the biomedical field requires a reassessment of our existing knowledge of them. This Special Issue will focus on molecular and biochemical interpretations, aiming to demonstrate the importance of design in enabling interaction with biological systems. Membrane–material interactions prove to be fundamental to this understanding. We invite contributions that explore these themes, ranging from fundamental research on membrane–material interactions to innovative applications in drug delivery and diagnostics. Our goal is to foster a deeper comprehension of the complexities involved in the design of nanomaterials and their interactions with biological systems, ultimately advancing the frontiers of nanomedicine. We look forward to your contributions to this exciting area of research.

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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