Special Issue

Application of Nanostructures in Biology and Medicine

Message from the Guest Editor

At present, nanomaterials are used in a wide range of applications, in all spheres of civil needs, including energy, medicine and industry. Moreover, they are considered one of the most promising classes of materials for the next generation of technological development. The interest in the possibilities of application of nanoparticles and nanodevices allows a deeper study of the physical properties of these new materials, and provides a starting point for the development of a huge number of practically important areas, starting from synthetic biology, drug delivery platforms and brain–computer interfaces to nanoelectronics, nanophotonics and quantum communications technologies. This Special Issue focuses on recent research in all fields of applied nanoscience, including but not limited to materials science, molecular and cell biology, genetics, and biotechnology. Special attention will be paid to the state-of-the-art methods of the synthesis and characterization of advanced materials, nanoparticles and biological objects. Computer-based theoretical modeling of nano-objects and their emerging applications is also welcomed.

Guest Editor

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The *International Journal of Molecular Sciences* (*IJMS*) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, and molecular biophysics. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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