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Featured Reviews on Nanomaterials and Nanotechnology for Biology and Medicines

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Message from the Guest Editor

Nanomaterials have been identified in various environmental settings and are present across all forms of life, from bacteria to archaea and eukaryota. The potential adverse effects of these nanomaterials, including changes in normal composition and accumulation in organisms, can impact protists, plants, fungi, and animals. Moreover, their expanding use in agriculture, healthcare, and medicine further increases exposure to living organisms.

This Special Issue seeks high-quality review papers encompassing all fields of nanomaterials for biology and medicine. We warmly encourage researchers from related fields to contribute review papers that highlight the latest advancements, including bio-nanomaterials, nanomedicines, drug and gene delivery, cancer therapy, wound healing, tissue engineering, diagnostics, bio-imaging, antimicrobial applications, immune system modulation, biocompatibility, biomimetic properties, and 3D bioprinting, among others. Full-length comprehensive reviews will be given preference for inclusion in this impactful Special Issue.



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Special Issue



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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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