

Special Issue

Nanoscale Functional Materials and Devices for Biomedical Applications

Message from the Guest Editor

This Special Issue aims to highlight the latest advances in nanoscale functional materials and their applications, shedding light on their transformative potential. Researchers are invited to submit papers that explore a wide array of topics, including, but not limited to: Nanoscale drug delivery systems; Biosensors for early disease detection; Tissue engineering using nanomaterials, cutting-edge diagnostic tools, and innovative therapeutic interventions.

We encourage the submission of interdisciplinary research that demonstrates the synergy between materials science, nanotechnology, and biomedical engineering to address critical challenges in healthcare and invite researchers to join us as we strive to accelerate the translation of cutting-edge research into tangible improvements in healthcare and biomedicine. See more information at <https://www.mdpi.com/si/187276>

Guest Editor

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About the Journal

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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones

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