

Special Issue

Emerging Nanomaterials and Nanotechnologies for Biomedical and Related Applications

Message from the Guest Editors

This Special Issue aims to explore the cutting-edge research and advancements in nanotechnology, as well as their transformative impact on biomedical science, engineering, and healthcare applications. This Special Issue focuses on innovative nanomaterials and nanoscale technologies designed to address critical challenges, including diagnostics, therapeutics, drug delivery, biosensing, tissue engineering, antimicrobials, and other applications. It seeks to highlight interdisciplinary research that bridges chemistry, materials science, biology, and medicine, fostering new strategies for improving patient outcomes and advancing precision medicine. Through this collection, the Special Issue aims to showcase novel methodologies, applications, and perspectives, emphasizing the potential of nanomaterials and nanotechnology in revolutionizing modern biomedical practices and to accelerate the translation of nanotechnology into practical healthcare solutions.

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