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Innovative Materials and Nanotechnologies for Medical and Pharmaceutical Applications

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Deadline for manuscript submissions:
closed (10 June 2024)

Message from the Guest Editors

Dear Colleagues,

In recent years, nanoscience has demonstrated significant potential to revolutionize medical and pharmaceutical applications, particularly in the areas of disease diagnosis and treatment.

Constant research into innovative materials and new nanotechnologies has enabled the improvement of drug delivery systems and diagnostic tools. Nanomaterials, graphene, hydrogels, liquid crystals, biodegradable polymers and nanofibres are just some of the key materials driving advances in drug delivery, tissue engineering and more, offering new opportunities for healthcare innovation.

This Special Issue of *Nanomaterials* aims to investigate the most recent developments in biomedical applications, with a specific emphasis on the crucial role played by nanomaterials and nanotechnologies.

It is our pleasure to invite you to submit a manuscript for this Special Issue. Full papers, short communications and reviews are welcome for possible publication.

Dr. Giuliana Faggio
Prof. Dr. Giacomo Messina
Guest Editors

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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. We are proud of our increasing impact factor and ability to provide rapid decisions to authors.

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