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The Biological Impact of Nanomaterials: From Safety Studies to Applications

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Deadline for manuscript submissions:
closed (30 April 2021)

Message from the Guest Editors

Dear Colleagues,

This Special Issue aims to provide an overview of nanomaterial interactions with cells and highlight the importance to understand the correlations and linkages between their unique physicochemical properties (e.g., composition, structure, dimensions, functionality, etc.) with their applications and biological impacts. Special emphasis will be given to the understanding of the potential repercussions of these materials on human health and environments. Therefore, from this perspective, we would like to invite you to submit research papers or reviews articles discussing and summarizing the state-of-the-art and the most recent advances in this research field, covering material synthesis and applications as well as safety assessment evaluations.

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Dr. Luca Guerrini
Dr. Nicolás Carlos Pazos Pérez

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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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