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Silica Nanoparticles as Safety Nanocarriers

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Message from the Guest Editor

Dear Colleagues,

This Special Issue of Nanomaterials entitled “Silica Nanoparticles as Safety Nanocarriers" will cover a selection of recent research and review articles in the field of silica nanomaterials as safety nanocarriers for several applications. Nanomaterials offer great opportunities to develop Silica Nanoparticles or devices for Safety Nanocarriers in different applications, such as Health, Medicine, Food, Agriculture & Crop production, Energy & Environment Applications (in air, water and/or soil) and Industry, among others. The use of materials at the nanodimension scale provides several improvements in terms of analytical features including sensitivity, rapidity of response, selectivity, and robustness, demonstrating the huge advantage of using the nanomaterials over the nanomaterials in the development of smart and high-performant analytical tools. The research on the design and development of Silica Nanoparticles as Safety Nanocarriers and the applications bring together stakeholders from different disciplines. The reader of this special issue will gain an appreciation of the real role of Silica Nanoparticles as Safety Nanocarriers.

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Editor-in-Chief

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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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