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Nanosomes in Precision Nanomedicine

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Nanosomes are small vesicles that are used in precision nanomedicine to deliver therapeutic drugs to specific cells or tissues. They are designed to improve the efficacy and safety of drug delivery systems. Nanosomes have a unique structure consisting of a liposomal bilayer around a hydrophilic core. The core contains either a therapeutic drug or a functional biomolecule that can selectively target specific cells or tissues. The use of nanosomes in precision nanomedicine has the potential to revolutionize the treatment of various diseases, including cancer, neurological disorders, and infectious diseases. Furthermore, nanosomes can be modified to carry multiple therapeutic drugs, allowing for personalized medicine tailored to individual patient's needs. Thanks to the continuous research and development, nanosomes represent a promise in revolutionizing the way to treat diseases, improving patients' lives through precision nanomedicine. This special issue aims to collect reviews and papers on new advances or breakthroughs in the design, synthesis, production methods, fundamental understanding and applications of Nanosomes.

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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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