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Nanoencapsulation Strategies for Active Compounds Delivery

Guest Editors:

Prof. Dr. Claudia Carbone

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Prof. Dr. Teresa Musumeci

Deadline for manuscript submissions:
closed (8 October 2021)

Message from the Guest Editors

Nanoencapsulation strategies represent a hot topic of great interest, since they provide increasing drug therapeutic effectiveness of low soluble drugs and non-Lipinski compounds. Nanoencapsulation promotes drug repurposing and the use of natural compounds, a promising reservoir for human health. The interest in the nanoencapsulation of active molecules also continues due to the need to account for several drawbacks, in particular those related to customization, patient compliance, impact on human health and environment, fields of application. This Special Issue invites manuscripts concerning the nanoencapsulation of synthetic drugs, peptides, proteins and natural compounds, with a particular emphasis on their applications in targeted and controlled delivery. Original articles on nanoencapsulation strategies will be considered, including the use of different structures, combining drugs encapsulation strategies and the use of different coating materials. In vitro and in vivo studies are recommended. We are glad to offer 30% discount to the first 6 papers published by excellent young researchers.

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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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