



Nanodispersions Based on Biocompatibility

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Message from the Guest Editors

Dear Colleagues,

The use of biocompatible nanodispersions in various industrial fields has grown remarkably over the last few years, offering new research opportunities for researchers with different expertise and scientific backgrounds. These nanoscaled dispersions represent smart, nontoxic carriers for encapsulation and delivery of functional compounds, including hydrophobic drugs, natural antioxidants, plant extracts, and micronutrients. Nanodispersions for food, cosmetic, pharmaceutical, and medical purposes should be compatible with biological tissues of living organisms, performing their targeted function without any undesirable effects. The grand challenge in the field of nanoformulations involves both the creation of precisely tailored, nanoscale particles of bioactive compounds and the safe and efficient delivery of those tiny particles to their exact targets.

This Special Issue of *Nanomaterials* dedicated to *Nanodispersions Based on Biocompatibility* aims to attract contributions related to the development, structural investigation, and biological evaluation of diverse nanoscale dispersions.





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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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