Special Issue

Nanotechnologies on the Stage: Improving the Role of Nutrients for Well-Being and Special Nutrition Needs

Message from the Guest Editors

The purpose of the present Special Issue is to give a picture, as complete as possible, of the more recent research regarding nanoformulations of fortified foods for well-being and special medical purposes, including nanoformulations for supplements (both at the level of basic research, translational research, or applied research), as well as the most relevant guidelines, regulations, and directives in the field. In fact, only a small number of countries have formulated approval guidelines for the application of nanotechnology in the food industry and the issues associated with “nano-labeling” on such food supplements. Regarding the effective delivery of micronutrients, insufficient scientific evidence on the use of nanotechnologies has caused a certain grade of complexity in giving definitive conclusions, and it must be underscored that nanoparticles could have a pivotal role in the prospective expansion of curative and preventive applications for the targeted delivery of micronutrients. Therefore, a more in-depth investigation is currently requested. Special Issue Link: https://www.mdpi.com/si/119744.

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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.

Editor-in-Chief

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