Special Issue

Biobased Nanoscale Drug Delivery Systems

Message from the Guest Editor

Nanoparticles or nanocapsules are an attractive tool used in medicine, responsible for several advancements in the diagnosis and treatment of multiple diseases. Between their many applications, their use as drug delivery systems, diagnosis, and the improvement of biocompatible materials properties can be highlighted. New approaches to deal with the growing concern associated with antibiotic-resistant bacteria and the urgency for target-directed systems that act on a local bases and prevent systemic side effects have boosted research on biobased systems as platforms for drug delivery. This Special Issue seeks manuscript submissions that further our understanding of the ability of organic nanosystems to target and deliver specialized biomolecules in a sustainable way, without causing harmful responses. Further, studies that deal with the advantages of these systems over conventional strategies or inorganic nanoscale approaches are very welcome. Submissions on new processing and extraction methodologies for biobased materials, including biomolecules and polymers, are also encouraged.

Guest Editor

Dr. Helena P. Felgueiras

Centre for Textile Science and Technology, University of Minho, Campus de Azurém, 4800-058 Guimarães, Portugal

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Nanomaterials
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
nanomaterials@mdpi.com

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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.

Editor-in-Chief

Prof. Dr. Eugenia Valsami-Jones
School of Geography, Earth and Environmental Science, University of Birmingham, Birmingham B15 2TT, UK

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