Special Issue

Nanoparticles: Fabrication, Properties and Biomedical Application

Message from the Guest Editors

It is well known that nanoparticles and nanocomposite materials have a very broad applicability in a variety of fields. Bionanomaterials are used in specific fields, such as medical, biological, electrical, mechanical, and energetics.

The aim of this Special Issue is to provide a recent overview of bionanomaterials, their distinct types, synthesis procedures, and new and/or specific properties and characteristics, which are essential for desired bioapplications. Therefore, we propose as main objective a broad interdisciplinary discussion related to the synthesis and characterization of bionanomaterials from both application and fundamental points of view. There will be a special interest for new preparation methods of multifunctional composite hybrid materials, new and/or improved properties of these materials, as well as innovative applications.

We invite manuscripts that focus on a wide range of issues and concerns regarding bionanomaterials including synthesis, specific properties, and biomedical application, but not limited to this.

Guest Editors

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Dr. Cristina Coman

Deadline for manuscript submissions

closed (20 August 2024)

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About the Journal

Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
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