Special Issue

Antibacterial, Antifungal Properties and Toxicity from Metallic Nanomaterials

Message from the Guest Editors

Nanomaterials play an important role in modern society. Possessing multidrug resistance (MDR) and virulence by microorganisms are pivots for the discovery of a new pharmacology therapy approach. The persistence of MDR microorganisms in clinical and food environments is favored by biofilm formation and it is considered a real threat to human health. The interest in nanomaterials derives from the need to use a new therapy as a substitution in conjunction with organic compounds already in use. From the field of medicine to industrial packaging, research on nanomaterials is showing increasing interest among researchers. The new metal nanoparticles are showing increasingly remarkable advances in various applications. It is important to discuss and investigate the antibacterial properties of these new metal nanomaterials, in order to inform the scientific community about the existing possibilities in this field and to provide inspiration for future research.

It is my pleasure to invite you to submit a manuscript for the Special Issue "Antibacterial Properties and Toxicity from Metallic Nanomaterials".

Guest Editors

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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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