Journal of
Functional Biomaterials

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Biomaterials, Bioconjugated Materials, and Biomaterial Composites with Antimicrobial Properties

Guest Editor:

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Deadline for manuscript submissions:
20 November 2024

Message from the Guest Editor

This Special Issue advocates the development of biomaterials, conjugated materials, and composite materials. The subject will cover the potential uses of polymers, copolymers, polymer composites with nanoparticles, polymer complexes, and natural products. Natural products can stem from plants, animals, a group of peptides, chitosan and its derivatives, seroin, and microorganisms. The topics of interest also include applications of functional biomaterials in medicine, health care, water treatment, and food packaging. The Special Issue also covers the potential use of nanocarriers to improve their pharmacokinetics and reduce toxicity owing to the controlled release of therapeutic agents at the target site. Of interest is the development of a new class of antimicrobial agents against methicillin-resistant Staphylococcus aureus, vancomycin-resistant Enterococcus, multidrug-resistant Mycobacterium tuberculosis, carbapenemase-producing Enterobacterales, and Acinetobacter baumanniin.

We encourage the submission of your most creative work that can advance antimicrobial activities on a varying scale. JFB looks forward to receiving your submissions and working with you.

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Editor-in-Chief

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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.

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