Journal of
Functional Biomaterials

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Micro and Nanocarriers for Biomedicine

Guest Editor:

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Deadline for manuscript submissions:
20 September 2024

Message from the Guest Editor

Dear Colleagues,

Nanotechnology is a science involving the manipulation of matter on an atomic and molecular scale, in the size range of a few to several hundred nanomaterials. Their application in the biomedical field provides conventional medicine with new tools for tissue repair, diagnostics and treatment of pathologies, often by delivering drugs to tissues and areas of interest. In this sense, micro and nanocarriers have been widely investigated in recent decades. Nano-based carriers allow for high control of their properties with a high surface area/volume ratio. This allows them to alter the bioactivity of drugs, improving their pharmacokinetics, biodistribution and solubility, decreasing toxicity, preventing drug degradation and allowing controlled drug release of therapeutic agents to specific target sites. In short, they offer a wide range of new treatment opportunities.

We invite both research manuscripts and reviews focusing on a wide range of issues and concerns regarding micro- and nanocarriers for biomedical applications.

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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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