Journal of
Functional Biomaterials

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Tribology for Biomedical Applications

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closed (31 August 2023)

Message from the Guest Editors

Dear Colleagues,

As biomaterials science and engineering has progressed quickly over the past decades, the development of this field has shifted to the design of new materials and devices wherein the functionality, reliability, and biocompatibility have become more specific and significant. Tribology-related behavior is one of the key points for the above aspects.

Therefore, to assure the functionality, reliability, and biocompatibility of biomaterials, especially for long-term implanted medical devices, studying various tribological damage mechanisms and obtaining optimum properties is one of the most important goals. Driven by this point, more and more investigations have been conducted on fundamental theories, bionic design, damage palliative related to tribology in biomedical applications.

In this Special Issue, we invite researchers to provide original research articles, as well as review articles focusing on multiple issues, such as the obtainment, characterization, structure, and original aspects about tribological performances of biomaterials, possibly revealing novel design technologies, advantages, disadvantages, and their various biomedical applications.

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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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