Special Issue

Nature-Based Biomaterials for Biomedical Applications

Message from the Guest Editors

Natural active substances represent a substantial class of biomolecules, which are designed by organisms over the course of the long-term evolutionary process. The structural complexity of these substances far exceeds human imagination. The structural complexity of these substances far exceeds the limits of human imagination. Such structural features confer upon them a diversity of bioactivities, synergistically enhanced activities, improved biocompatibility, and a reduced likelihood of pathogens developing drug resistance, in addition to numerous other advantages in biomaterials and their application in biomedicine. Consequently, the innovative combination of natural products with other biomaterials for application in biomedicine to solve human health problems is a highly compelling prospect. The innovative combination of natural products with other biomaterials for application in biomedicine to solve human health problems is a compelling research direction.

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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.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
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