Special Issue

Advanced Biopolymers in Biomedical Application

Message from the Guest Editor

Biopolymers are a leading class of functional material suitable for high-value applications and are of great interest to researchers and professionals across various disciplines. Interdisciplinary research is important to understand the basic and applied aspects of biopolymers to address several complex problems associated with good health and well-being. The expanding research interest in the field of biopolymers has been at odds with the growing awareness of employing ecofriendly materials as an environmentally acceptable substitute for polymers derived from fossil fuels. By lowering waste and hazardous emissions, the use of bio-based products will increase sustainability and create a cleaner, greener world. In this regard, many types of natural or biopolymers have been developed to meet the needs of ever-expanding applications. Especially in biomedical applications, cutting-edge bio-based materials and their composites are utilized. This SI focuses on the various uses of advanced biopolymers in the biomedical industry and provides a future outlook for the biopolymer biomedical industry.

Guest Editor

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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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