



Advances in Biopolymers for Biotechnological and Biomedical Applications

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Message from the Guest Editors

Biopolymers are a wide variety of natural and synthetically modified polymers, including associated macromolecular systems. With the recent growing demand in the world, the question of developing a substance for use in biomedicine and biotechnologies for a new generation with increased efficiency is constantly being raised. Undoubtedly, the safest and most environmentally friendly approach is using various multifunctional biopolymer materials. Such macromolecules already have biologically active properties or contain reducing and stabilizing fragments that can be used to obtain novel functionalized materials. At the same time, modern biomedicine and biotechnological advances face such tasks as the design of biocompatible, non-toxic, and quickly biodegradable substances; the use of biopolymers as objects is more than justified.

Various biopolymers are employed as gelling and binding agents, components for tissue engineering, carriers for target therapy, and can form stable composite materials. This Special Issue aims to highlight some of the cutting-edge research from various areas and to publish information about the latest advances in the scientific community.





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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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