

Special Issue

High Performance Functional Bio-based Polymers for Skin-contact Products

Message from the Guest Editors

The personal care, cosmetic and biomedical industries deal with high-value and/or large volume consumption of polymer-based products that are often derived from fossil sources. Although several alternative bio-based polymers have been the subject of recent research, more effort is still needed to increase their specific functionalities and performances in order to proceed with their true translation into market. Recently, many researchers are working in the field of biomaterials with anti-microbial, anti-inflammatory and anti-oxidant properties, as well as biobased materials, which are renewable and biodegradable in the environment. Both types can be transformed into final products by innovative technologies, allowing for the control of bulk or surface properties, up to the nanostructure. By merging such biomedical functionalities and environmental aspects, new research could have a great impact on skin-contact biomaterials. The present issue aims to gather research and review papers where the attention paid to health and environmental impact is efficiently integrated, considering both source and final waste management.

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About the Journal

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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