

Special Issue

Tannins and Other Polyphenols as Functional Biomaterials

Message from the Guest Editors

This Special Issue of the *Journal of Functional Biomaterials* will highlight recent advances in the use of polyphenols in biomaterials. Polyphenols are abundant natural polymers, produced by plants to provide structural support and to protect tissues from microbial pathogens, insects, and oxidative damage induced by UV radiation. Their adhesive, structural, antimicrobial, and antioxidant properties could be exploited for functional biomaterials. One broad class of polyphenols, tannins, also have protein-binding properties, are amenable to blending with other biomaterials, and have good coating, film-forming, and fiber-forming properties. The combination of biological activity, blend compatibility, and processability makes these abundant biopolymers excellent candidates as components of biomaterials. By assembling a collection of high-quality work detailing recent advances in polyphenolic biomaterials, this Special Issue will promote the development of new functional biomaterials and inspire the application of polyphenols in this important area.

Guest Editors

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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

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