

Special Issue

The 15th Anniversary of *JFB*— Functional Biomaterials: Bioactive Properties and Medical Applications

Message from the Guest Editors

The field of functional biomaterials has advanced significantly in recent years, shaping the future of regenerative medicine, implant technology, and drug delivery. To celebrate the 15th anniversary of the Journal of Functional Biomaterials (JFB), this Special Issue aims to encompass state-of-the-art research on bioactive materials and their diverse medical applications. The focus will be on biomaterials that actively interact with biological systems to promote tissue integration, modulate immune responses, and enhance therapeutic efficacy. Topics of interest include, but are not limited to, bioactive ceramics, biodegradable polymers, metallic scaffolds, nanostructured biomaterials, and hydrogel-based systems. Studies on biofunctionalization strategies, 3D-printed materials, surface modifications, and the use of biomaterials for drug release and antimicrobial applications are also welcome. By compiling the latest advances in functional biomaterials, we expect to provide comprehensive insights into the field of biomaterial science and its various applications meant to improve clinical outcomes.

Guest Editors

Dr. Cristian Scheau
Prof. Dr. Andreea Cristiana Didilescu
Prof. Dr. Constantin Caruntu

Deadline for manuscript submissions

closed (15 November 2025)



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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
School of Engineering and Materials Science, Queen Mary University of London, London, UK

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