

Special Issue

Bioactive Elements for Tissue Regeneration

Message from the Guest Editors

This Special Issue aims to present major advances in the field of tissue regeneration and the recent progress of bioactive elements for tissue repair and regeneration. This Special Issue accepts original research and reviews about bioactive elements, novel biomaterials, biofabrication technologies, molecular mechanisms, and other therapeutic approaches for tissue regeneration.

The topics and themes of this research topic will include, but are not limited to, the following:

- Novel bioactive elements-contained biomaterials fabrication methods and technologies;
- Novel molecular mechanism studies on bone/cartilage regeneration and repair;
- Bioactive elements for the regeneration of bone, cartilage, ligaments, tendons, and skin;
- Novel material biological effects of bioactive elements;
- Challenges and opportunities of bioactive elements in clinical transformation;
- Development of bioactive elements-contained biomaterials for potential clinical application.

Guest Editors

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Deadline for manuscript submissions

closed (20 November 2023)



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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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