

Special Issue

Feature Papers in Bone Biomaterials

Message from the Guest Editors

Bone is a typical mineralized tissue, which plays a critical role in protecting and maintaining the shape of the human body. Meanwhile, bone is also a place where inorganic ions are stored and various blood cells are produced. In terms of chemical composition, the types of bone biomaterials include metals, inorganic non-metals, natural polymers, synthetic polymers, and cell-derived materials, which are used in the form of porous scaffolds, membranes, hydrogels, nanomaterials, etc. In recent decades, the development of bone biomaterials has rapidly promoted the clinical treatment strategies of orthopedic diseases.

This Special Issue will host papers (communications, articles, and reviews) related to the latest findings and trends in the field of bone biomaterials. Topics may include, but are not limited to, the following: bone implants, metal/ceramic biomaterials, surface modification, biomimetic materials, biomineralization, bone/cartilage regeneration, 3D/4D printed scaffolds, biosafety/bioactivity evaluation, and bone tumor-related nanomedicine.

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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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