Special Issue

Hydroxyapatite Composites for Biomedical Application

Message from the Guest Editors

Hydroxyapatite is widely used in dental tissue regeneration, maxillofacial surgeries and orthopedic filling bone defects. Its use has been extensively researched; however, in the last few years, an increasing number of studies based on the preparation of modern novel biomaterials for hard tissue regeneration have been observed. The main reason for this observed phenomenon is the emergence of innovative attempts to overcome the limitations of the abovementioned ceramics in terms of their mechanical and microstructural properties, as well as trials aiming to develop innovative modern biomaterials dedicated to specific biomedical applications.

This Special Issue aims to highlight recent advances in the fabrication, characterization and potential usage of novel hydroxyapatite-based biomaterials in biomedical engineering applications. Special emphasis will be placed on comprehensive biological and physico-chemical evaluations and the potential applications of produced composites. Breakthrough scientific research as well as advanced review papers that contribute to the main topic are welcome.

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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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