

## Special Issue

# Calcium Phosphate Composites: From Synthesis to Biomedical Application

### Message from the Guest Editor

The need for advanced biomaterials produced in an environmentally friendly and economical way is constantly growing. In this sense, special attention is paid to multifunctional materials that can not only perform their basic task, i.e., tissue replacement or regeneration, but also serve as a carrier system for bioactive components. Among different biomaterials, calcium phosphate (CaPs) composites occupy a special place in hard tissue regeneration. Although the main motivation for the development of CaPs composites was originally to improve the mechanical properties of CaPs, the biological activity of some of the components used allowed the development of multifunctional biomaterials. Moreover, the wide variety of (nano)materials that can be used in the fabrication of CaPs-based composites allows us to tailor of the properties of the composites to specific applications. This Special Issue aims to bring together recent advances in the design, synthesis, and characterization of calcium phosphate-based composites for biomedical applications.

### Guest Editor

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### Deadline for manuscript submissions

closed (20 April 2023)



## Journal of Functional Biomaterials

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### 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.

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### Editor-in-Chief

Prof. Dr. Pankaj Vadgama

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