

## Special Issue

# Biomaterials for Dental Pulp Tissue

### Message from the Guest Editors

Dental pulp tissue plays a crucial role in maintaining tooth vitality and overall oral health. However, when this tissue is infected with disease or compromised due to factors such as infection, trauma, or decay, it poses a significant challenge requiring specialized approaches for effective treatment.

Biomaterials have emerged as pivotal tools in revolutionizing the treatment of compromised vital pulp tissue. With the ability to provide a scaffold for tissue regeneration, promote healing, and deliver therapeutic agents, biomaterials offer innovative solutions to address the challenges posed by diseased pulps. Moreover, their adaptability to diverse clinical scenarios, compatibility with the biological environment, and potential for minimizing discomfort and enhancing patient outcomes underscore the profound significance of biomaterials in advancing the field of vital dental pulp tissue treatment. Therefore, the objective of this Special Issue is to publish research on cutting-edge biomaterials tailored for dental pulp tissue applications, with a dual focus on promoting healing responses and fostering tissue regeneration.

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### Guest Editors

Dr. Renan Dal Fabbro

Dr. Marco C. Bottino

Prof. Dr. João Eduardo Gomes-Filho

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### Deadline for manuscript submissions

closed (20 May 2024)



## Journal of Functional Biomaterials

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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.

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### Editor-in-Chief

Prof. Dr. Pankaj Vadgama

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

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