

## Special Issue

# Role of Dental Biomaterials in Promoting Oral Health

### Message from the Guest Editor

This Special Issue aims to showcase the latest advancements in dental biomaterials and their profound impact on oral health. We welcome contributions that span a spectrum of topics, from innovative materials and fabrication techniques to clinical applications and case studies.

The manuscripts could address the following subjects:

**Novel Biomaterials:** New materials with enhanced biocompatibility, durability, and functionality for various dental applications;

**Clinical Applications:** Practical implementation and clinical outcomes of dental biomaterials in restorative dentistry, prosthodontics, and beyond;

**Biomechanical Considerations:** Mechanical properties and structural integrity of dental biomaterials for optimal performance;

**Emerging Technologies:** The use of cutting-edge technologies, such as 3D printing and nanotechnology, in advancing dental biomaterial research.

I look forward to you receiving valuable contributions, which will undoubtedly enrich our understanding of dental biomaterials and contribute to advancements in oral health.

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### Guest Editor

Prof. Dr. Regina Maria Puppin-Rontani

Department of Health Sciences and Pediatric Dentistry, University State of Campinas, Piracicaba, Brazil

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### Deadline for manuscript submissions

closed (31 August 2025)



## Journal of Functional Biomaterials

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Impact Factor 5.2  
CiteScore 6.8  
Indexed in PubMed



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[mdpi.com/journal/jfb](https://mdpi.com/journal/jfb)





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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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