

## Special Issue

# Functional Dental Materials for Orthodontics and Implants

### Message from the Guest Editors

The field of dental materials has rapidly evolved, offering innovative solutions for both orthodontics and implantology. Functional materials play a crucial role in ensuring long-term stability, biocompatibility, and predictable clinical outcomes. Despite significant progress, there is still a need for a comprehensive evaluation of their properties, biological interactions, and performance under clinical conditions.

This Special Issue aims to gather high-quality contributions that expand current knowledge on functional dental materials applied in orthodontics and implant therapy. We welcome original research, systematic and narrative reviews, as well as preclinical and clinical studies. Topics of interest include, but are not limited to, material composition and surface modifications, osseointegration, biomechanics, biological responses at the cellular and tissue level, as well as clinical performance and long-term outcomes.

We invite researchers, clinicians, and material scientists to contribute their findings, with the goal of advancing the understanding and application of dental materials in modern orthodontics and implantology.

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### Guest Editors

Dr. Pavle Milanovic  
Dr. Momir Stevanovic  
Prof. Dr. Shinn-Jyh Ding

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### Deadline for manuscript submissions

30 April 2026



## 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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