Special Issue

Advances in Biomaterials for Oral and Dental Tissue Engineering

Message from the Guest Editors

This Special Issue, “Advances in Biomaterials for Oral and Dental Tissue Engineering”, examines the combined impact of materials, advanced techniques and engineered oral tissues. Oral tissue engineering refers to the development of biomaterials for repair or regeneration utilizing tissue engineering technologies, and it is becoming a more prominent area of research. Currently, biologically inert materials are unable to fulfill clinical requirements; therefore, tissue-engineered biomaterials with bioactive properties are urgently needed. In dental medicine, tissue reconstruction is of significant interest in oral surgery, periodontics, orthodontics, endodontics and daily clinical practice. Current clinical approaches involve various techniques, ranging from the traditional use of tissue grafts to more innovative regenerative procedures, such as tissue engineering. This Special Issue explores the role of biomaterials used for oral tissue engineering, with particular emphasis being placed on hard and soft intraoral tissues. Further topics of interest include material characterization, modification, biocompatibility and biotoxicity.

Guest Editors

Dr. Aniela Brodzikowska

Department of Conservative Dentistry, Medical University of Warsaw, 02-097 Warsaw, Poland

Dr. Bartlomiej Gorski

Department of Periodontology and Oral Mucosa Diseases, Medical University of Warsaw, 02-097 Warsaw, Poland

Deadline for manuscript submissions

31 March 2026

Journal of Functional Biomaterials

an Open Access Journal by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed

mdpi.com/si/242633

Journal of Functional Biomaterials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jfb@mdpi.com

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.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
School of Engineering and Materials Science, Queen Mary University of London, London, UK

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