

Special Issue

Advances in Oral and Maxillofacial Implants

Message from the Guest Editors

Dental implant treatments offer safe and predictable outcomes for replacing lost teeth. Through such research, the correlation between clinical success and the osseointegration stage, as well as the patient's oral health, has been demonstrated. However, as our aging society grows, there are still patients who present challenges for clinicians. Many researchers are making efforts to induce successful osseointegration in areas with poor bone quality and decreased bone metabolism via improvements being made in terms of implant shapes and surfaces, bone graft materials, growth factors, and stem cells. The purpose of this Special Issue is to provide strong evidence for new treatment opportunities in dental implants, gathering the latest research on overcoming patient challenges with very poor bone quality and decreased bone metabolism, patients with intractable bone diseases like MRONJ and osteomyelitis, as well as elderly patients. We welcome research related to dental implants and bone healing that can be applied to patients facing challenges in achieving implant osseointegration, as well as new devices, techniques, and materials.

Guest Editors

Dr. Jeong-Kui Ku

Department of Oral and Maxillofacial Surgery, Section of Dentistry, Seoul National University Bundang Hospital, Seongnam-si 13620, Gyeonggi-do, Republic of Korea

Prof. Dr. Adriano Piattelli

School of Dentistry, Saint Camillus International University for Health Sciences (Unicamillus), 00131 Rome, Italy

Deadline for manuscript submissions

31 May 2025



Journal of Functional Biomaterials

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 4.6
Indexed in PubMed



mdpi.com/si/201807

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

mdpi.com/journal/

jfb





Journal of Functional Biomaterials

an Open Access Journal
by MDPI

Impact Factor 5.0
CiteScore 4.6
Indexed in PubMed



mdpi.com/journal/

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



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

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, Ei Compendex, Inspec, CAPIus / SciFinder, AGRIS, and other databases.

Journal Rank:

JCR - Q1 (Engineering, Biomedical) / CiteScore - Q2 (Biomedical Engineering)