

Special Issue

Functional Engineering and Biomechanical Features of Biomaterials Applied to Dental Practice

Message from the Guest Editors

Recently, numerous types of biomaterials, such as natural and artificial polymers, ceramics, metals, dental implants, prosthodontics components, radiological devices surgical tools, and orthodontic devices have been developed for use in daily dental clinical practice. I am honored to invite contributors and researchers to submit original research articles, as well as review manuscripts, to investigate and research topics dealing with engineering and functional biomaterial related to all dental disciplines, as well as periodontal surgery, prosthodontics, conservative and endodontic devices, or orthodontic tools. The discoveries regarding bioengineering function, material stress, safety and long-term predictability of dental applied devices, will be accepted for submission. The topic is widely present in the recent international literature and, for this reason, this Special Issue is directed at dental researchers, as well as bioengineering researchers, in order to have a complete understanding of the state-of-the-art of dental biomaterials and their mechanical, chemical, and engineering features.

Guest Editors

Prof. Dr. Marco Cicciu

Department of Biomedical and Surgical and Biomedical Sciences,
Catania University, 95123 Catania, Italy

Dr. Giacomo Risitano

Department of Engineering, Messina University, 98122 Messina ME,
Italy

Deadline for manuscript submissions

closed (20 December 2018)



Journal of Functional Biomaterials

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed



mdpi.com/si/18173

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](#)





Journal of Functional Biomaterials

an Open Access Journal
by MDPI

Impact Factor 5.2
CiteScore 6.8
Indexed in PubMed



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

[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, and other databases.

Journal Rank:

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