Special Issue

Functional Biomaterials and Digital Technologies in Dentistry: From Bench to Bedside

Message from the Guest Editors

To date, various functional biomaterials have been developed and proposed for oral and maxillofacial applications, due to their excellent biocompatibility, superior mechanical properties, and proper biofunctionality. In addition, advancements in digital technologies for biomaterials have attracted increasing attention. However, the translation process of functional biomaterials and digital technologies from bench to clinic remains extremely challenging. The Special Issue entitled “Functional Biomaterials and Digital Technologies in Dentistry: from Bench to Bedside” aims to provide insight into the recent advances in functional biomaterials and digital technologies. It intends to explore opportunities for the basic research and clinical application of biomaterials and digital technologies. The main topics of this Special Issue include, but are not limited to, the following: advanced functional biomaterials (metals, ceramics, polymers, and composites) and digital technologies (CAD/CAM milling, 3D printing, bioprinting, and 4D printing) in the fields of dental applications.

Guest Editors

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Deadline for manuscript submissions

closed (20 August 2023)

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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
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