Special Issue

Biomaterials in Conservative Dentistry and Prosthodontics

Message from the Guest Editor

During the last several decades, the restorative approach in dentistry has steadily evolved, progressing from mechanical retention to advanced adhesion. Moreover, there is a strong trend in materials science to develop and apply biomaterials that can interact with the tooth tissues and the oral environment. Additionally, smart materials have been introduced in the dental industry, which can be defined as materials that have one or more properties that can be significantly changed in a controlled fashion by external stimuli. Behind the concept of bioactive materials lays the education of the dental clinicians in modern caries detection and removal, and in the conservative restoration of tooth structure that reflects the higher resistance to wear.This Special Issue calls for recent studies from a range of fields in biomaterials science that are poised to guide investigations on the development of novel biomaterials and techniques for conservative dentistry and prosthodontics and understanding their mechanisms and clinical perspectives.

Guest Editor

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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

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