Special Issue

Orthodontics and Oral and Maxillofacial Materials

Message from the Guest Editors

Orthodontics and oral and maxillofacial surgery are two separate dental specialties that utilize a range of materials to treat dentomaxillofacial deformities.

Orthodontic materials, such as wires, brackets, bands, adhesives, facemasks, appliances, and surgical hooks, have evolved to improve patient comfort and treatment outcomes. Additionally, advanced orthodontic products, biomaterials, nanotechnology and innovative solutions involving fixed or removable appliances have the ability to enhance the delivery of care with patient-specific approaches.

In relation to oral and maxillofacial surgery, a number of tools and materials can be employed with the intention of increasing the success rate of a surgical procedure and shortening the healing time for patients. Some common materials utilized in oral and maxillofacial surgery include bone grafts, growth factors, biodegradable materials, and implantable devices.

The aim of this Special Issue is to discuss the application of state-of-the-art materials in orthodontics and oral and maxillofacial surgery. Both research and review articles are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (20 June 2024)

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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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