Special Issue

Advances in Biomaterials for Reconstructive Dentistry

Message from the Guest Editor

Recent rapid advancements in biomaterials have led to notable progress in various branches of dentistry, including reconstructive dentistry, endodontics, and the maintenance and reconstruction of bone and dental hard tissue. We seek to highlight the latest research and developments in the use of biomaterials for dental tissue and maxillofacial bone regeneration. Studies that examine the impact of biomaterials on biological processes, along with their unique properties, will also be considered. Despite ongoing challenges in regenerative medicine, modern materials in endodontics and endoprosthodontics have shown promise in regenerating dental tissues and extending the lifespan of teeth. Advances in material technology are enhancing the effectiveness of dental surgery and endodontics by preventing the resorption of alveolar bone and tooth tissue. Additionally, these technologies are being successfully applied in dental and bone reconstruction. This Special Issue will place special emphasis on new biomaterials for reconstructive dentistry, their clinical applications, and innovative methods for using nanomaterials in tooth and bone substitution.

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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