



State of the Art in Dental Materials

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Message from the Guest Editors

In recent decades, technological innovations and advancements in bioengineering have led to the development of biomaterials and diagnostic devices, which have various applications in dentistry.

New biomaterials are constantly being developed. Recent technological developments are expected to have future applications in methods to prevent infectious diseases such as dental caries and periodontal disease, regenerative therapy, maxillofacial reconstruction, and implant therapy. In addition, advancements in analytical and research methods have provided new insights into materials already used in clinical dentistry, such as bioactive glasses, resins, and polymers.

This Special Issue solicits current research that examines approaches to developing new or improved biomaterials in preventive medicine, bioengineering, health sciences, materials science, basic science, and clinical science. In addition, researchers are also invited to submit reports regarding new perspectives on dental materials using novel analytical methods.





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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.

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