

Special Issue

Biomaterials in Dentistry: Current Status and Advances

Message from the Guest Editors

This Special Issue will provide a comprehensive overview of the latest advances in biomaterials and biofabrication techniques in oral medicine, periodontology, and implant dentistry. Original research articles addressing the development and characterization of novel biomaterials for oral tissue engineering and regeneration; review articles summarizing the latest advances in biofabrication techniques and their applications in oral surgery, periodontology, and implantology; studies examining the use of stem cells and growth factors in conjunction with hydrogel scaffolds to promote tissue regeneration and osseointegration; prospects for the clinical implementation of hydrogel-based therapies and their impact on improving patient outcomes in oral medicine and implant dentistry; and investigations into the role of digital planning and additive manufacturing technologies in the customization of hydrogel scaffolds for patient-specific treatment approaches are welcomed.

Guest Editors

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Dr. Federica Di Spirito
Dr. Francesco Giordano

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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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