

Special Issue

Applications of Biomaterials in Otorhinolaryngology

Message from the Guest Editors

Otorhinolaryngology is regarded as one of the medical specialties with the widest varieties. Materials with different utilities have been widely used in these applications, and improvements in material science greatly enhance the surgical/therapeutic outcomes in these patients. Due to their antimicrobial activities, enormous emphasis has been placed on materials supporting or facilitating wound healing and tissue growth as these materials release bioactive molecules on demand and are able to support the biological functions of living tissue and encourage regeneration. Modern materials are further utilized in the field of tissue engineering as factors inducing angiogenesis, signal delivery, cell recruitment, scaffold stability, electrical conductivity in nerve and cardiac regeneration, and adhesion ability for tissue approximation, as well as providing microbial barriers. This Special Issue aims to incorporate research papers, communications, and review articles that report on the application of biomaterials in otorhinolaryngological head and neck surgery. Related submissions regarding regenerative medicine and tissue engineering are also highly recommended.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2024)



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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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