



Advances in Dental and Maxillofacial Tissue Engineering

Guest Editors:

Dr. Apostolos I. Tsolakis

Department of Orthodontics,
School of Dentistry, National and
Kapodistrian University of
Athens, Athens, Greece

Dr. Lisa A. DeLouise

Department of Biomedical
Engineering, University of
Rochester, Rochester, NY 14627,
USA

Deadline for manuscript
submissions:

closed (15 September 2023)

Message from the Guest Editors

Dear Colleagues,

In dental medicine, tissue reconstruction has attracted an increasing amount of interest in oral and maxillofacial disciplines. Scaffolds, stem cells and biomaterials promise a bright future ahead in the treatment of craniofacial defects, clefts, TMJ disorders, tooth regeneration and periodontal problems. Additive 3D manufacturing technologies can also be used in oral and maxillofacial surgery. Pulp tissue regeneration, enamel and dentin development can also be attempted with these new emerging possibilities. Stem cells and/or scaffolds loaded with active growth factors can be commonly used in orthodontics to enhance orthodontic tooth movement and target the control of growth at the right time, with the desirable outcomes.

This Special Issue focuses on the most recent “Advances in Dental and Maxillofacial Tissue Engineering” . Original research contributions will be prioritized, but reviews about the state of the art, current limitations and future perspectives are also welcome.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

Department of Biomedical
Engineering, Texas A&M
University, College Station, TX
77843, USA

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Author Benefits

Open Access: free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

High Visibility: indexed within [Scopus](#), [SCIE \(Web of Science\)](#), [PubMed](#), [PMC](#), [CAPlus / SciFinder](#), [Inspec](#), and [other databases](#).

Journal Rank: JCR - Q2 (*Engineering, Biomedical*)

Contact Us

Bioengineering Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/bioengineering
bioengineering@mdpi.com
[X@Bioeng_MDPI](https://twitter.com/Bioeng_MDPI)