

## Special Issue

# Computed Tomography for Oral and Maxillofacial Applications

### Message from the Guest Editor

"Computed Tomography for Oral and Maxillofacial Applications" is a specialized field in medical imaging that harnesses computed tomography (CT) for the assessment and diagnosis of conditions within the oral, dental, and maxillofacial regions. CT imaging provides highly detailed cross-sectional images, aiding in the diagnosis and treatment of dental diseases, craniofacial issues, trauma, and various pathological conditions. Furthermore, CT technology offers a comprehensive view of the oral and maxillofacial structures, making it invaluable in cases where extensive dental work or rehabilitation is needed. This *Bioengineering* Special Issue is dedicated to the latest research and innovations in AI-assisted low-dose CT for maxillofacial surgery, including applications in full mouth rehabilitation. Researchers are encouraged to contribute to this evolving field, offering insights that have the potential to revolutionize diagnostics, surgical practices, and comprehensive oral rehabilitation, ultimately ensuring the best possible patient care and outcomes.

---

### Guest Editor

Dr. Soo-Hwan Byun

1. Department of Oral and Maxillofacial Surgery, Hallym University Sacred Heart Hospital, Anyang 14066, Republic of Korea
2. Dental Artificial Intelligence and Robotics R&D Center, Hallym University Sacred Heart Hospital, Anyang 14066, Republic of Korea

---

### Deadline for manuscript submissions

closed (31 July 2025)



Bioengineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 5.3  
Indexed in PubMed



[mdpi.com/si/188226](https://mdpi.com/si/188226)

*Bioengineering*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[bioengineering@mdpi.com](mailto:bioengineering@mdpi.com)

[mdpi.com/journal/  
bioengineering](https://mdpi.com/journal/bioengineering)





## Bioengineering

---

an Open Access Journal  
by MDPI

---

Impact Factor 3.7  
CiteScore 5.3  
Indexed in PubMed



[mdpi.com/journal/  
bioengineering](https://mdpi.com/journal/bioengineering)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Anthony Guiseppi-Elie

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

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), PubMed, PMC, CAPIus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Biomedical)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 17 days after submission; acceptance to publication is undertaken in 2.8 days (median values for papers published in this journal in the second half of 2025).