



Three-Dimensional Custom Printed Appliances in Oral and Maxillofacial Surgery

Guest Editors:

Prof. Dr. Imad Abu El-Naaj

Dr. Yasmine Gbantous

Dr. Michael V. Joachim

Deadline for manuscript
submissions:

closed (20 March 2022)

Message from the Guest Editors

Dear Colleagues,

Defects in the oral and maxillofacial (OMF) complex may lead to functional and esthetic impairment, aspiration, speech difficulty, and reduced quality of life. Three-dimensional (3D) printing technology is an innovative technique that allows the fabrication of personalized implants and scaffolds that fit the precise anatomy of an individual's defect and, therefore, has attracted significant attention during the last few decades, especially among head and neck surgeons. This Special Issue aims to address the present development in the use of 3D technology in OMF surgery. Papers are invited that investigate the efficiency and safety of those appliances. Topics may include studies dealing with surgery planning and education, surgery templates and guides, pre-prosthetic and reconstructive implants, trauma-repairing devices, as well as bio-printing of organic structures. Case studies describing real-life applications of novel technologies are also very welcome.

Prof. Dr. Imad Abu El-Naaj

Dr. Yasmine Gbantous

Dr. Michael V. Joachim

Guest Editors





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo

Dipartimento di Fisica,
Politecnico di Milano, Piazza L.
da Vinci 32, 20133 Milano, Italy

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Engineering, Multidisciplinary*) / CiteScore - Q1 (*General Engineering*)

Contact Us

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

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

mdpi.com/journal/applsci
applsci@mdpi.com
X@Applsci