



Cutting-Edge Developments in Prosthodontics and Dental Implants

Guest Editors:

Dr. Andreja Carek

School of Dental Medicine,
University of Zagreb, 10000
Zagreb, Croatia

**Prof. Dr. Violet Ibyola
Haraszthy**

Department of Restorative
Dentistry, School of Dental
Medicine, University at Buffalo,
Buffalo, NY14214, USA

Deadline for manuscript
submissions:

20 April 2025

Message from the Guest Editors

Dear Colleagues,

This Special Issue, entitled "Cutting-Edge Developments in Prosthodontics and Dental Implants", delves into the latest scientific advancements and innovative practices regarding prosthodontics and dental implantology. Emphasizing the aesthetic and functional outcomes, this Special Issue will explore key areas such as biomimetic and adhesive prosthodontics, highlighting the importance of replicating natural tooth structure and function. It will also address additive prosthodontics and the integration of both analog and digital dentistry, showcasing how these combined approaches can optimize treatment planning and outcomes.

Significant emphasis will be placed on the investigation of dental materials, particularly the development and application of hybrid materials and polymer-infiltrated ceramic networks, which offer enhanced strength and aesthetics. This Special Issue will also examine recent advancements regarding the properties and applications of glass ceramics, translucent zirconia and zirconia implants, underscoring their role in achieving superior esthetic results and long-term durability.





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 - Q1 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

Contact Us

Applied Sciences Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

mdpi.com/journal/applsci
applsci@mdpi.com
[X@Applsci](#)