



an Open Access Journal by MDPI

Digital Dentistry: Computer-Aid Diagnosis and Treatment

Guest Editors:

Dr. Arthur R. G. Cortes

Department of Dental Surgery, Faculty of Dental Surgery, University of Malta, MSD 2080 Msida, Malta

Prof. Dr. Claudio Costa

Faculdade de Odontologia, University of São Paulo, Sao Paulo 05508-060, Brazil

Prof. Dr. Guillermo Pradies

Dept. Buccofacial Prostheses, Univ. Complutense Madrid, Plaza Ramon & Cajal S-N, E-28040 Madrid, Spain

Deadline for manuscript submissions: closed (20 October 2023)

Message from the Guest Editors

The advent of digital technologies in dentistry has led to shorter treatment times and higher predictability of treatment outcomes. Among the most important technologies used in digital workflows in dentistry is computer-aided design and computer-aided manufacturing (CAD-CAM). Scientific evidence has been consecutively presented, showing the usefulness of threedimensional (3D) images not only for diagnosis but also for treatment planning. Current cone beam computed tomography (CBCT) scanners can offer higher contrast and spatial resolution for bone images, as well as lower radiation doses than before. Similarly, intraoral scanners have been validated to perform digital impressions, which can replace the conventional impressions usually performed with a series of impression materials. The integration of these 3D images enables the creation of a virtual patient, enhancing the multidisciplinary treatment plan.









an Open Access Journal by MDPI

Editor-in-Chief

Message from the Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32, 20133 Milano, Italy 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), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (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