Special Issue

Computer-Aided Techniques in Dentistry

Message from the Guest Editors

Technological advancements have significantly transformed dentistry, shaping the way interventions are performed. Computer technologies—including digital imaging, intraoral scanning, CAD/CAM technologies, and artificial intelligence—can improve the predictability of treatment outcomes and may reduce the risk of complications.

Intraoral scans (IOSs) and cone-beam computed tomography (CBCT) are the primary sources of digital diagnostic data, serving as the foundation for most computer-aided treatment approaches.

Currently utilized standard digital processes can be further refined through advancements in radiographic image reconstruction, 3D data processing, artificial intelligence, and virtual treatment simulations.

The digital transformation of most dental treatment processes is inevitable. At present, we are in a state of innovation where novel computer-aided planning and treatment solutions are gradually emerging. However, in many cases, there is still a lack of sufficient clinical evidence and understanding of their long-term effects. We are therefore interested in manuscripts that focus on the application of novel computer-aided technologies in dentistry.

Guest Editors

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Deadline for manuscript submissions

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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.

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