

Special Issue

New Frontier in Advanced Dentistry: CBCT, Intraoral Scanner, Sensors, and Artificial Intelligence in Dentistry

Message from the Guest Editors

Digital dentistry, which has become a big topic, is greatly correlated with the improvement of imaging technology. For example, cone beam computed tomography (CBCT) enables 3D skeletal dental analysis for treatment plans in orthodontic, prosthesis, periodontal, and orthognathic surgery. The anatomical information and treatment outcome evaluation using CBCT allow establishing accurate, safe, and innovative treatment guidelines. Intraoral/extraoral/model scanning allows 3D simulation of dental treatment, and with 3D printers using these scanned data, we can fabricate therapeutic devices such as T-scans, electromyography, joint vibration analysis, and jaw tracking devices aid in dynamic analysis. The AI approach to 2D or 3D imaging technology is fundamentally changing the protocol of diagnosis in dentistry.

Through this Special Issue, we would like to invite you all for discussion on the theory and practice of breakthrough sensing science that can help practitioners and patients throughout the dental field.

For more information, please access the website:
<https://www.mdpi.com/si/84036>

Guest Editors

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