

## Special Issue

# Digital Dental Technology in Orthodontics

### Message from the Guest Editor

Dentistry is entering a new era driven by artificial intelligence (AI) and machine learning (ML), transforming diagnostics, decision-making, personalized care, and workflow efficiency. This Special Issue welcomes original research and reviews on innovative AI/ML applications across dental disciplines, focusing on real-world integration, clinical impact, and ethical or technical challenges in advancing intelligent oral healthcare. **Topics are not limited to:**

- Deep learning and computer vision in dental imaging
- Predictive models for disease progression and outcomes
- Automated cephalometric analysis and landmark detection
- AI decision support in orthodontics, implantology, etc.
- AI in digital workflows: intraoral scanning to CAD-CAM
- NLP applications in dental practice
- Clinical validation and interpretability of AI models
- Ethical, legal, and regulatory issues in dental AI
- AI in tele-dentistry and remote monitoring

Join us in shaping the future of intelligent oral healthcare!

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### Guest Editor

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### Deadline for manuscript submissions

20 November 2025



## Applied Sciences

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Impact Factor 2.5  
CiteScore 5.5



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## About the Journal

### 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.

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### Editor-in-Chief

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