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Open Access Peer-Reviewed Journal Specialized in
Advanced Technologies of Dentistry

Editor-in-Chief
Prof. Rola Alhabashneh

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Subject Categories

Dentistry | Health informatics

Target Audience

This journal is designed for researchers and academics, dental clinicians and specialists, dental technicians/laboratory professionals, educators, and digital dentistry innovators in industry.

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Message from EiC

It is my pleasure to welcome you to the Digital Dentistry Connect. This journal is dedicated to advancing innovation, research, and clinical excellence in the rapidly evolving field of digital dental dentistry. As dentistry enters a new era shaped by artificial intelligence, 3D imaging, CAD/CAM workflows, and minimally invasive digital solutions, our mission is to highlight high-quality evidence, foster interdisciplinary collaboration, and support clinicians and researchers in translating digital advancements into everyday practice. We extend our appreciation to our contributors, reviewers, and readers for their commitment to elevating global digital dentistry standards. Together, we continue to shape the future of oral healthcare—one innovation at a time.

Aims and Scope

Digital Dentistry Connect is a peer-reviewed, open-access journal dedicated to advancing the integration of digital technologies into dental practice. The journal publishes high-quality, peer-reviewed research that advances the clinical, technical, and scientific aspects of digital workflows, promotes the integration of innovative digital tools into everyday dental practice, and encourages the evidence-based adoption of technologies such as CAD/CAM, intraoral scanning, imaging, artificial intelligence, and 3D printing. Through these efforts, the journal aims to serve as a leading resource for innovations and research in digital dentistry.

Key Topics

1. **Digital Diagnostics & Imaging**
   - Cone Beam CT
   - Digital radiography
   - AI-assisted image interpretation and diagnostics
   - Facial and intraoral scanning
   - Virtual patient creation and mixed reality

2. **CAD/CAM & Prosthetic Dentistry**
   - Chairside CAD/CAM systems
   - Digital impressions
   - Stereophotogrammetry
   - Fixed and removable prostheses design
   - Milling vs. printing workflows for prostheses production
   - Treatment planning of advanced oral rehabilitations
   - Digital tracking of mandibular movements and occlusal analysis

3. **3D Printing & Additive Manufacturing**
   - Printing technologies: SLA, DLP, FDM, SLS
   - Surgical guides, splints, clear aligners
   - 3D-printed dentures & models
   - Bioprinting

4. **Digital Orthodontics**
   - Clear aligners
   - Digital cephalometry
   - AI-based treatment simulations
   - 3D tooth movement analysis

5. **Implantology & Surgical Planning**
   - Guided implant surgery
   - Dynamic navigation systems
   - Virtual surgical planning
   - Digital implant impressions
   - Custom-made implants, scaffolds and meshes for bone regeneration

6. **Restorative & Esthetic Dentistry**
   - Shade-matching using digital tools
   - Digital smile analysis and design
   - Digital workflows for planning aesthetic treatment

7. **Software, AI, and Machine Learning**
   - Predictive analytics in treatment planning
   - Automated diagnostic tools
   - Workflow optimization through AI
   - Ethical + regulatory considerations

8. **Education, Practice Management & Clinical Research**
   - Digital training methods for dental students
   - Virtual simulation & haptics
   - Integration of digital systems in clinics
   - Cost-benefit analyses of digital vs. analog workflows

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