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Emerging Trends in Materials for Dentistry and Maxillofacial Prosthodontics

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Message from the Guest Editors

Dentistry and maxillofacial prosthodontics have witnessed significant advancements due to the development and application of innovative materials. Innovative composite materials have become essential in modern dentistry and prosthodontics due to their superior esthetic properties, biocompatibility, and mechanical performance. These materials are crucial in restorative dentistry for repairing tooth structures and in maxillofacial prosthodontics, which deals with rehabilitating patients with congenital or acquired defects.

Esthetic dentistry has also seen significant advancements in recent years, driven by the development of biomimetic materials that replicate natural teeth' physical, mechanical, and optical properties.

This Special Issue aims to gather the latest research and breakthroughs in synthesizing, characterizing, and applying materials specifically designed for dental and maxillofacial prosthodontics. Topics of interest include but are not limited to resin composites, ceramic materials, bioactive materials, silicones, 3D printing technologies, subtractive manufacturing, CAD/CAM technologies, biomimetic materials, and long-term performance studies.



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Special Issue



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Message from the Editor-in-Chief

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