Special Issue

Emerging Trends in Materials for Dentistry and Maxillofacial Prosthodontics

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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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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