Special Issue

Prospects for Dental Materials in Prosthodontics

Message from the Guest Editor

CAD-CAM and 3D-printing technology in dentistry have enabled the application and development of materials. The clinical success of prosthodontic materials must combine esthetics and fracture resistance to withstand the oral conditions and masticatory forces.

Currently, the most common materials used in prosthodontics include metals, a wide range of ceramics, and polymeric materials. The rapid evolution in new technologies for fabrication and the changes in the materials composition has led to insufficient scientific evidence of their behavior and clinical indications.

This Special Issue will provide information with updated findings regarding the challenges of new CAD-CAM and 3D-printing materials to perform tooth- and implant-supported restorations. The focus of submissions should include physical, chemical, mechanical, and optical properties of CAD-CAM and 3D-printing materials in prosthodontics, advantages in materials fabricated from digital technologies over conventional techniques, minimally invasive techniques, and clinical performance of the restorations. Original and review articles are welcome.

Guest Editor

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Deadline for manuscript submissions

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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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