Special Issue

Prosthodontics Dental Materials: Past-Present-Future

Message from the Guest Editors

Prosthetic dental materials include a very wide range of different valuable materials, including metals and alloys. Polymers with different bases have been tested, and acrylates have come to be used. These materials are adapted to their respective application. Ceramics, which were initially applied for aesthetic reasons as veneers for supporting metal frameworks, now have their own place in the dental care of patients. An important point here is the biocompatibility of the materials used, which must function in the patient's mouth for many years or even decades. The development of modern industrial technologies has led to more information being made available about the possible uses of dental materials. Thus, CAD/CAM technologies are now used to produce dental restorations. It is possible that metallic structures can be substituted for by ZrO2 ceramics; now, they can be replaced by a high-performance polymer material, PEEK. In addition, to the need for the evaluation of the properties of these materials and their comparative testing, there is also the question of their sustainability. We cordially invite you to be a part of this Special Issue.

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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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