Special Issue

New Prosthetic Materials and Biomaterials for Biomedical Applications

Message from the Guest Editors

Over the years, a variety of new digital technologies, restorative materials and biomaterials have been developed and have significantly changed the clinical approach to dentistry. Innovative biomaterials have been developed in order to take advantage of both the biology of the patients and the new manufacturing processes. Furthermore, a similar development has been recorded in the prosthetic field thanks to digital manufacturing. Prosthetic materials manufactured with digital technologies (scanners, milling machines, and 3D printers, as well as CAD and CAM software programs) have increased the therapeutic options for clinicians, improving the results from a functional and esthetic point of view. The aim of this Special Issue is to provide information with updated findings about the latest developments in the field of biomaterials and restorative materials applied to these digital technologies.

Keywords:
- composite interfaces; biopolymers
- biocomposites; additive manufacturing
- Prosthetic Materials; digital dentistry
- lithium disilicate; zirconia
- glass fiber-reinforced composites
- carbon; damage and failure modes

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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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