Special Issue

Dental Materials in Endodontic and Post-endodontic Therapy

Message from the Guest Editors

The aim of this Special Issue is to summarize and to focus the future of endodontic and post-endodontic restoration with a special attention to new opportunities offered by digital technologies. Materials properties analysis is an important step for computer-assisted-design/computer-assisted-manufacturing (CAD/CAM) and fabrication procedures like milling and 3D printing. Accuracy in post-endodontic procedures can be obtained only through the knowledge of the type and limitations of materials, criteria of materials selection, preparation concepts, protocols of adhesion to tooth structure, and cementation procedures. In endodontics, the Special Issue will focus on the new Ni–Ti alloys in the manufacturing of shaping instruments, new irrigants in cleaning, and new materials in obturation, like bioceramic sealers derived from bioactive glass-based. At present, the properties of these sealers require investigations which shall provide evidence about their biocompatibility, sealing mechanism, sealing ability, and removability.

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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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