Special Issue

New Materials and Techniques for Root Canal Preparation and Filling

Message from the Guest Editor

The quality of root canal treatment has improved over recent decades due to milestone developments of new materials, concepts and techniques. Ongoing development shows the needs for further improvements. Modifications of Nickel–Titanium alloys, for example, were crucial for the introduction of highly flexible and fracture resistant endodontic instruments. In addition, root canal filling materials have evolved in terms of biocompatibility and bioactivity. New developments can enhance present materials, and new materials and techniques need to undergo independent investigations. The main aim of this Special Issue is to present recent progress in root canal preparation and root canal filing.This Special Issue will include high-quality original research papers, review papers, and case studies dealing with the development and application of new materials and techniques for root canal preparation and filling. It is my pleasure to invite you to submit original research papers and state-of-the-art reviews for this Special Issue.

Guest Editor

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Deadline for manuscript submissions

closed (20 August 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/167924

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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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