Special Issue

Advanced New Materials and Equipments for Root Canal Treatment

Message from the Guest Editor

Dental cavities are one of the most prevalent sources of infection in the human body. There are several studies that show the link between apical periodontitis and systemic disease. The treatment for apical periodontitis is root canal treatment, which involves three components: cleaning, shaping, and obturation of the infected space inside the tooth. There have been many innovations over the past decade such as activated irrigation using lasers or Gentlewave, heat treated nickel–titanium shaping files, and bioceramic obturation materials. These innovations will lead to even further improvements of the highly successful root canal treatment procedure. We would like to discuss the advanced new materials and equipment for root canal treatment. It is my pleasure to invite you to submit a manuscript for this Special Issue. This Special Issue will introduce new concepts in root canal treatment, including root canal irrigation and root canal obturation. Newly developed materials or instruments are welcomed in this Special Issue. Full papers, communications, and reviews are all welcome.

Guest Editor

Prof. Dr. Won-Jun Shon

Dental Research Institute and School of Dentistry, Conservative Dentistry, Seoul National University, Seoul 03080, Korea

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Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

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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.

Editor-in-Chief

Prof. Dr. Maryam Tabrizian
1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada
2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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