

Special Issue

Advanced Bioactive Materials and Bulk-Fill Composite Resins in Dental Restorations

Message from the Guest Editor

Rapid advancements in dental restorative materials have significantly enhanced the longevity, function, and aesthetics of dental restorations. Bioactive materials and bulk-fill composite resins have emerged as promising innovations, offering improved ease of use, durability, and biocompatibility. Bioactive materials, which interact with the biological environment, play a crucial role in enhancing remineralization and supporting the healing process of tooth structures. On the other hand, bulk-fill composite resins provide a more efficient and predictable approach to restorative procedures, allowing for faster and less technique-sensitive application, especially in deep cavities. This Special Issue explores the latest developments in bioactive materials and bulk-fill composite resins, focusing on their clinical applications, material properties, and performance in restorative dentistry. We aim to provide a comprehensive overview of cutting-edge research, clinical studies, and innovations that are shaping the future of dental restorative practices.

Guest Editor

Dr. Carlos Enrique Cuevas Suárez

Dental Materials Laboratory, Academic Area of Dentistry, Autonomous University of Hidalgo State, San Agustín Tlaxiaca, Mexico

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

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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.

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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