Special Issue

Biomaterials for Restorative Dentistry

Message from the Guest Editor

Despite numerous advances in biomaterials for restorative dentistry, each material still has its own particular weaknesses that need to be addressed. This drives the study of both experimental materials with a well-defined composition to address a specific hypothesis and commercially available materials that are studied as integrated systems with a predefined composition and multiple interacting components. As research in this field is progressing rapidly, many new materials are being developed and introduced to the dental market without a thorough understanding of their behavior under demanding conditions in the oral cavity. We invite the submission of in vitro or clinical studies that address the mechanical, chemical, or biological properties of all types of biomaterials for restorative dentistry. However, this Special Issue is not limited to the topics mentioned above. All manuscripts dealing with relevant studies on biomaterials and their applications in dentistry will be considered.

Guest Editor

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Deadline for manuscript submissions

closed (31 August 2025)

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Message from the Editorial Board

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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