Special Issue

The Application of Bioactive Glasses to Dental Restorative Materials

Message from the Guest Editor

Bioactive glass, first developed by Prof. Larry L. Hench, has been widely applied in medical fields due to its excellent biocompatibility. Recent sol-gel synthesis techniques have enabled the production of nano-sized particles, allowing its use in dental restorative materials. In dentistry, bioactive glass has been incorporated into products such as toothpaste, glass ionomer cements, and composite resins. These materials have shown enhanced bioactivity, promoting remineralization and interaction with biological tissues. This Special Issue invites valuable research on dental restorative materials containing bioactive glass. We welcome both basic and clinical studies that highlight the potential and effectiveness of these innovative materials. Readers will gain comprehensive insights into the latest developments and applications in this evolving field.

Guest Editor

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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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