Special Issue

Properties of Dental Restorative Materials

Message from the Guest Editor

Materials used in restorative dentistry have different expectations depending on the type of dental restoration. They are exposed to mechanical loads, as well as abrasive and erosive wear during the process of chewing. Furthermore, the oral environment is very aggressive towards the materials used in restorative dentistry. Thus, corrosive and ageing resistance are also vital. Because they are used in the human body, it is also fundamental that they possess the appropriate biological properties in order to harm patient as little as possible. The aesthetics of such materials is also important. Modern dental materials should satisfy all of the above conditions to the highest extent possible.
For this Special Issue of Materials, subjects including, but limited to, the following are welcome for submission:
Theoretical and experimental research, knowledge and new ideas in dental materials and their technologies;
Properties of dental materials;
Surface treatments of dental materials;
Understanding the degradation mechanisms of dental materials;
Computer modelling and simulation to predict mechanical properties of dental materials.

Guest Editor

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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.

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