

Special Issue

Behaviour of Dental Composite Materials

Message from the Guest Editor

Composite resins are widely used in dentistry, for both direct and indirect restorations and have been constantly improved with every new generation of products. Over the last decade, digital technology (CAD/CAM) has challenged the classical approach and has been rapidly adopted in restorative dentistry, management of temporomandibular disorders, orthodontics, and orthognathic surgery. One further step in this direction is three-dimensional printing, which is beginning to play an increasingly important role in dentistry, especially for interim prosthetic restorations. This technique used for obtaining temporary prosthesis has distinct advantages compared to the conventional ones. Unfortunately, resin-based dental materials are not inert in the oral environment and may release components, initially due to incomplete polymerization, and later due to degradation. Consequently, more precise knowledge of the actual quantity of released eluates is necessary.

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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