

## Special Issue

# Research on the Properties of Dental Composites

### Message from the Guest Editor

Dental composites is currently the most frequently used class of materials for the aesthetic restoration of tooth structures. The composites is in continuous development to answer clinical needs; it includes four major components: an organic polymer, inorganic fillers, a coupling agent and an initiator–accelerator system.

In general, the clinical choice of a restorative composite is based on the priority that should be given to mechanical or aesthetic characteristics: if the mechanical parameters are mostly important, the material showing the highest percentage of filler is selected; in the case of special aesthetic needs, the particle size is the factor that influences the selection.

This Special Issue aims to highlight and discuss the most innovative and representative dental composites, including their composition, properties of the components, technologies of processing, as well as the mechanical, optical, chemical, biological characteristics of the directly and indirectly processed materials belonging to this group.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews are all welcome.

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### Guest Editor

Prof. Dr. Diana Ducea

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### Deadline for manuscript submissions

closed (20 September 2023)



## Materials

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CiteScore 6.4  
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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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