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Research on the Properties of Dental Composites

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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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Message from the Editor-in-Chief

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