



Design of Monomers and Polymers with Dental Applications: Dental Composites and Adhesives

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Message from the Guest Editors

Dear Colleagues,

Monomers and polymers have increasingly been used in dental materials. Dental composite resins are important and prevalent materials used to aesthetically restore the structure of teeth, generally impaired by caries, erosion, fracture, or attrition. Therefore, the design and synthesis of monomers and polymers with applications in dentistry are important in polymer chemistry. The monomers in dental composites or adhesives must preferably be liquid compounds, miscible with monomers commonly used in dentistry such as BisGMA, UDMA or TEGDEMA, and they must be capable to carry out the photopolymerization reaction when exposed to blue visible light source such as blue light-emitting diodes (LEDs).

This issue welcomes contributions relating to the use of monomers and polymers in dental materials and their polymerization process, as well as the effects of different fillers, and important characteristics of dental materials such as adhesion, wear behavior, antimicrobial behavior and biocompatibility. We look forward to receiving your contributions.





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I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

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