

Special Issue

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

Message from the Guest Editors

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.

Guest Editors

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Deadline for manuscript submissions

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Message from the Editor-in-Chief

Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.9.

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.

Editor-in-Chief

Prof. Dr. Alexander Böker

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