

Special Issue

Adhesives and Fibers in Dentistry

Message from the Guest Editor

Adhesive dentistry is an essential part of modern-day dentistry and esthetic restoration. The history of dental adhesives started in 1949 with the concept of adhesion to dentin through physical and chemical bonds. Since then, it has been constantly evolving, with the aim of facilitating dental procedures, minimizing the duration of clinical steps, and ensuring stronger bonding, to promote conservative dentistry. Some promising advancements include the addition of antibacterial agents, antibacterial resins, the use of bioactive materials, natural or herbal components, whereby all these additions can effectively regulate mineral deposition in dentin, promote remineralization, and inhibit bacterial ingress. Matrix metalloproteinase (MMP) inhibition is an exciting area to explore and many studies have been conducted; however, their incorporation within dental adhesives has not been fully explored. In this Special Issue of *Polymers* dedicated to the synthesis, preparation, and characterizations of dental adhesives and use of fibers in dentistry, you are invited to contribute with original research, short communications, narrative reviews, systematic reviews.

Guest Editor

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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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