



Adhesives and Fibers in Dentistry

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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.





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Message from the Editor-in-Chief

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