

Special Issue

Behaviour of dental Material in Oral Environment

Message from the Guest Editor

Restorative dental material behavior in the oral cavity is often affected by numerous factors that can lead to early failure or dissatisfaction of the patient. Dental material behavior is influenced by the unique combination of an elaborate oral environment and functionally demanding occlusal loads, which make it one of the most challenging outcomes to evaluate. Continuous changes in the oral environment may have a negative impact on the performance of restorative dental materials, which is mainly related to biodegradation and deterioration. Chemical degradation depends on an acidic diet or the softening effect of food-simulating liquids. The effects of chemical degradation usually lead to surface softening and roughening, which can decrease the long-term durability of the restorations.

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Deadline for manuscript submissions

closed (30 November 2020)



Dentistry Journal

an Open Access Journal
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Impact Factor 3.1
CiteScore 4.1
Indexed in PubMed



mdpi.com/si/44701

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