Special Issue

Recent Advances in Dental Resin Composites

Message from the Guest Editors

Resin composites are nowadays used across a wide range of fields in dentistry, with their mechanical, adhesive, and esthetic requirements continuously growing. Accordingly, the field of dental composite materials research has undoubtedly advanced immensely in recent decades. Resin materials have been modified to improve their mechanical and adhesive properties, as well as to enhance their longevity. Furthermore, there is a tendency in the research community as well as on the dental market to simplify adhesive procedures, so as to make them equally reliable in expert and novice hands. Additionally, it is deemed desirable that the same composite material can be used with different adhesive techniques, and to restore/repair a wide variety of substrates, reaching a high level of versatility. The present Special Issue welcomes full-length original papers (both laboratory and clinical studies) as well as review papers that focus on advances in dental resin composite materials. This includes, but is not limited to, research regarding the mechanical, adhesive, antimicrobial, esthetic, bioactive and remineralizing properties of dental resin composites.

Guest Editors

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Deadline for manuscript submissions

closed (20 March 2025)

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Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

Editor-in-Chief

Prof. Dr. Pankaj Vadgama
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