



3D Printed and CAD-CAM Milled Polymer-Based Materials for Dentistry

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Message from the Guest Editors

In last decade, CAD/CAM has progressively become a state-of-the-art technology in dentistry. The introduction of these techniques has been advantageous, particularly in some areas of dentistry such as restorative dentistry, prosthodontics, and orthodontics. The technological evolution of intraoral scanners, milling units and 3D printers has been accompanied by the development of new materials. Concerning CAD/CAM, a large variety of polymer-based materials as well as of hybrid materials has been made available to dentistry, providing a valuable alternative to ceramic materials. Particularly, reinforcing fibers (carbon, glass) and glass matrices have lately attracted the interest of research. In 3D printing, the recent introduction of 3D printable polymers for permanent restorations represents a pivotal step forward that is worthy of investigation.

The contents of the Special Issue will specifically, though not exclusively, include:

- Polymer based dental materials for CAD/CAM manufacturing;
- Polymer based dental materials for 3D Printing;
- Digitally processed prosthetic materials for temporary and permanent restorations;
- Digitally processed materials for orthodontics.





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Message from the Editor-in-Chief

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