Special Issue

3D-Printed Biomaterials for Restorative Dentistry

Message from the Guest Editors

Three-dimensional printing allows for the manufacturing of composite parts with complex geometries. Automated manufacturing eliminates the need for intensive labor work, but requires high skills of the operator. In addition, the process is less costly than other manufacturing methods due to the minimal raw material waste and simultaneous production of multiple parts.

The 3D printing of polymer composite materials has attracted special attention due to its promise in improving the properties of printed objects. During the early stages, 3D printing faced some difficulties that were overcome through new printing technologies and materials. Moreover, the widespread use of this technology and manufacturer competition have resulted in new versions of improved resins. Three-dimensional printing requires further investigations of factors affecting the properties of printed objects.

This Special Issue will focus on 3D-printed dental biomaterials, and their printing process and parameters, characterization and clinical applications.

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About the Journal

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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