Special Issue

Applications of Additive Manufacturing in Dentistry, Oral and Maxillofacial Surgery and Maxillofacial Prosthodontics

Message from the Guest Editor

Additive manufacturing, defined by the American Society of Testing and Materials (ASTM) as “the process of joining materials to make objects from 3D model data, usually layer upon layer, as opposed to subtractive manufacturing methodologies”, is a versatile technology with wide-ranging applications in the medical and dental fields. The customization possibility in obtaining complex geometries, the great number of dental materials used and various manufacturing technologies such as vat-polymerization, material jetting, material extrusion, binder jetting, powder-based fusion, sheet lamination, and direct energy deposition, have extended the use of additive manufacturing for experimental, clinical and educational purpose. This Special Issue will focus on the use of additive manufacturing in various fields of dentistry, oral and maxillofacial surgery and maxillofacial prosthodontics. **Keywords:** CAD-CAM; additive manufacturing for maxillofacial prosthesis; stereolithography; additive manufacturing of silicone epithesis; 2D printing of dental ceramics; 3D printing in prosthetic dentistry; 4D printed materials in dentistry; biocompatibility; bioprinting

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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