Special Issue

3D Printing for Dental Applications

Message from the Guest Editors

3D printing emerged as a complementary technology to the actual fabrication processes of such products, being part of new digital production system (industry 4.0). The reduction of costs associated to the use of 3D printing methods makes those products more accessible to the most disadvantaged sectors of the society with a positive impact in the healthcare services. Although nowadays, this technology is essentially applied to process polymers and metals, an effort has also been done to produce ceramic dental structures. Among the numerous applications of 3D printing in dentistry, 3D printed wax patterns and other physical models for prosthodontics, orthodontics and surgery can be found. Besides, different types of prosthesis and implants (e.g. craniomaxillofacial and dental) may also be produced. This issue aims to compile the most recent advances in dental materials developed by additive manufacturing.

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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