Special Issue

Advanced Materials and Technology in Implant-Prosthetic Dentistry

Message from the Guest Editors

In the last decade, the introduction of new materials and the application of digital technologies have deeply changed dentistry, and in particular the fields of prosthodontics and implantology. CAD/CAM technology has been a game changer for the production of tooth-borne and implant-supported fixed dental prostheses, relying on new materials that are developed daily to increase mechanical and aesthetic properties. The concept of implantology has also been revolutionized, with new grafting materials, new implant materials and surface treatments, new drilling protocols, as well as new fixture and connection designs, to permit a safer and faster osteointegration and its maintenance even in the most challenging situations. The new technological advancements have significantly improved data acquisition, leading to accurate and more realistic 3D rendering of implant site characteristics and neighboring anatomy and providing more insight into surgical, prosthetic, and esthetic requirements of treatment.

This Special Issue is intended to cover all the basic and clinical research facing the abovementioned topics.

Guest Editors

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Message from the Editor-in-Chief

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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