



materials



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Advanced Materials and Technology in Implant-Prosthetic Dentistry

Guest Editors:

Dr. Lorenzo Arcuri

PhD in Materials for Health,
Environment, and Energy,
University of Rome Tor Vergata,
Rome, Italy

Prof. Dr. Massimo Galli

Department of Oral and Maxillo-
Facial Sciences, "Sapienza",
University of Rome, 00185 Rome,
Italy

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Message from the Guest Editors

Dear Colleagues,

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 osseointegration 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.



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Special Issue



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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

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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Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

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