Special Issue

Dental Implants and Materials

Message from the Guest Editors

Since their introduction by Prof. Branemark in the 1960s, dental implants have become a reliable treatment option for the replacement of missing teeth in both partial and complete edentulous patients. Survival and success rates of implant-supported protheses depend on several factors, including physical and chemical properties of implant materials, such as microstructure, its surface composition and characteristics, as well as design factors. In recent years, the digital revolution has been changing the world, and dentistry is no exception. The introduction of new aesthetic materials, together with a whole range of digital devices (intraoral, extraoral, face scanners and cone beam computed tomography scans), processing software, and powerful manufacturing and prototyping tools (milling machines and 3D printers) are radically transforming the dental profession. In this vision, modern digital dentistry is changing workflows and, consequently, operating procedures.

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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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