Special Issue

Innovations in Digital Dentistry: Novel Materials and Technologies

Message from the Guest Editors

Advancements in digital dentistry have significantly expanded the variety of dental materials available for patient rehabilitation. The digital workflow enhances collaboration among dentists, dental laboratories, and patients, improving the precision, cost-effectiveness, and overall success of rehabilitation processes. Advances in scanning technologies, CAD/CAM systems, and 3D printing have led to the development of innovative materials and techniques that are transforming dental practices through technology. Additionally, specialized artificial intelligence tools have been developed to optimize disease diagnosis, treatment planning, and execution, as well as to support dental education and research. This Special Issue invites submissions that investigate various aspects of digital dentistry, with a focus on innovation in dental materials, new bonding techniques, additive and subtractive manufacturing technologies, and artificial intelligence tools. The aim of this initiative is to enhance the understanding of digital dentistry and its potential within contemporary dental practice.

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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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