Special Issue

The Search for Real Biologically Active Dental Materials of the Future

Message from the Guest Editors

Most dental materials employed nowadays in dentistry are based on synthetic compounds, which are usually not cytotoxic or are inert to cells from the teeth and surrounding tissues. In this regard, bioactive products have been proposed and tailored to replace or contribute to traditional restorative materials and treatments. This represents a threshold for a new trend in dental biomaterials ground on the development of new monomers, bioactive fillers and nanocarriers for drugs and antimicrobial reagents. The objective of this Special Issue is to highlight such new biomaterials and clinical strategies recently developed to truly interact with live oral tissues with high potential to improve dental care. In conclusion, this new trend in dental biomaterials research may represent a seed for the future of a sustainable and more biologically active standard of care in dentistry.

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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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