



Surface Properties and Surface Characterization of Dental Materials

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

A wide range of materials is used in dentistry, generally classified into four groups: metals, ceramics, polymers and composites. They have a broad range of application fields, from simple composite fillings to more complicated dental implants. Dentistry has responded well to the main challenges of developing and selecting biocompatible prosthetic materials that can withstand the adverse conditions of the oral environment (forexample, abrasion, pH, temperatures, high-magnitude masticatory forces and bacteria). The acceptance (biointegration) in the oral cavity and long term functionality mainly depend on the bulk and surface properties and the design and biocompatibility of these materials. Additionally, the technique applied and patient health awareness are also crucial factors. This Special Issue targets one of the most important characteristics of dental materials: the surface features and their characterization methods. Surface composition, morphology, roughness, hydrophilic/hydrophobic properties and surface science characterization methods are mainly presented.





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Message from the Editor-in-Chief

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