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## **Smart Materials for Dental Applications and Implants**

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# **Message from the Guest Editors**

Dear Colleagues,

In the last decade, both evolutionary and revolutionary trends in the field of dental materials science have been noted. In the meantime, the antibacterial self-healing dental nanocomposites whose "strategic" actions are bioinspired represent the smart materials able to assure an extended life for dental restorations. The complexity of obtaining, functioning, and applying intelligent materials in dentistry involves the harmonious combination of knowledge and co-operation of specialists working in the most varied fields: materials science, analytics, complex material characterization, dental studies, in vitro and in vivo clinical determinations, microbiology, machine learning. This Special Issue aims to bring in front original works and studies on identifying novel dental smart and on developing and applying novel materials computational experimental and methods understanding their dynamics, functional mechanisms, and interactions with the oral environment, as well as review papers on dental smart materials. The Special issue is focused on the used of the smart materials in all fields of dentistry.













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## **Message from the Editor-in-Chief**

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