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Advanced Materials for Oral Application

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Deadline for manuscript submissions:
closed (20 May 2022)

Message from the Guest Editors

The continuous development of dental materials enables dentists and dental technicians to choose from a wide variety. Recent advances enable tailoring dental materials to specific applications, resulting in progressive materials. The introduction of new aesthetic materials, digital devices, processing software, and manufacturing and prototyping tools have radically transformed the dental profession. Bioactive dental materials, which release specific ions, play an important role in the regenerative process, in preventive and restorative dentistry, as well as in endodontics, inducing cell differentiation and stimulation, hard tissue formation, and exerting antimicrobial actions. Smart materials are capable to react to pH changes and induce reparative processes in the oral environment.

Biocompatibility has to be considered, as dental materials must be well tolerated by the human organism. Bacterial colonization of the surface is also important, considering its etiopathogenetic role in initiating different oral pathologies.

It is our pleasure to invite you to submit your work to this Special Issue. Research papers, reviews, and communications are welcome.

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Message from the Editor-in-Chief

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