Special Issue

Bioactive Dental Materials: A Paradigm Shift in Dentistry?—2nd Edition

Message from the Guest Editor

Until recently, people believed that dental materials must be inert to be successful. Bioactive materials stimulate cells to produce bone tissue, secondary dentin, or are active in the surface precipitation of calcium phosphates or hydroxyapatite. They can stimulate healing and promote the remineralization of hard tissues. Examples of bone regeneration can be found in orthopedics, implant dentistry, and periodontics, such as ridge augmentation. Bioactive pulp capping materials have demonstrated their ability to promote bridge formation after vital pulp exposure, and in endodontics, applications have been reported in root resorption cases, the obturation of the root canal space, and periapical healing. In restorative dentistry, favorable soft tissue responses, remineralization of hard tissues, and occlusion of the marginal gap are some of the reported advantages. Furthermore, a positive postoperative reaction after the cementation of fixed prostheses has been observed. This Issue invites manuscripts that cover, but are not limited to, the topics presented above.

Guest Editor

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As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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