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# Biomaterials for Dental Bone Regeneration: Current Trends, Novel Applications and Strategies

Guest Editor:

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Deadline for manuscript submissions:
**closed (20 July 2024)**

## Message from the Guest Editor

Autologous bone represents a gold standard for bone reconstruction in terms of osteogenesis, osteoconduction and osteoinduction, as it shares all these properties with the surrounding bone. Despite having great advantages in terms of similarity with the vital bone structures of the affected site, this graft also implies important disadvantages, likely due to the related bone harvesting morbidity and possible surgical complications. Considering the difficulty involved in raising it, other alternative grafts were suggested in form of homologous/xenologous bone or resorbable synthetic materials (in association with or unrelated to collagen membranes) for the dimensional preservation of post-extraction sites or to promote a proper physiological remodeling process.

We encourage potential contributors to this Special Issue to submit manuscripts or systematic reviews aimed at highlighting updated indications, features and applications of novel approaches/strategies regarding the use of materials for dental bone regeneration.

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## Message from the Editor-in-Chief

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