



## Advances in Tissue Engineering and Biomaterials for Periodontal and Peri-Implant Tissue Regeneration

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Deadline for manuscript submissions:

**closed (20 December 2021)**

### Message from the Guest Editors

In recent years, the field of tissue regeneration around periodontal and peri-implant tissues has witnessed a lot of advancements, from biomaterial fabrication to the application of tissue engineering. These advancements have not only enhanced regenerative outcomes but also guaranteed better life quality to patients.

In this Special Issue, we welcome original articles (clinical, in vitro, and in vivo studies), reviews (narrative and systematic), and short communications that address the following topics: applications of tissue engineering in periodontal and/or peri-implant tissue regeneration, biomaterial fabrication and coating, 3D printing methods for the manufacturing of 3D printed custom-made scaffolds, use of growth factors, stem cells, gene delivery, epigenetics and extracellular vesicles in periodontal and/or peri-implant tissue regeneration.

Keywords:

- tissue engineering
- periodontal and peri-implant diseases
- biomaterials
- 3D printing
- gene delivery
- epigenetics
- stem cells
- growth factors
- extracellular vesicles





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## Message from the Editor-in-Chief

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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