



Special Issue on
**New Biomaterials and Regenerative Medicine
Strategies in Periodontology, Oral Surgery, and
Esthetic and Implant Dentistry**

CALL FOR PAPERS

Periodontology, Oral surgery, and esthetic and implant dentistry are strongly interconnected clinical and research fields. These dental disciplines are currently very active and are the source of development of many new techniques and technologies. Implantable biomaterials were particularly investigated and have significantly evolved in the recent years: new dental implant design and surfaces, new bone biomaterials, and new surgical adjuvants such as platelet concentrates. The objectives of all these biomaterials and technologies are not only to replace missing or damaged tissues, but are also now to promote tissue regeneration.

This regenerative medicine approach and the many recent technological evolutions are associated with the development of new therapeutic strategies that still require to be duly evaluated and validated.

We invite authors to submit original research articles and clinical studies about new biomaterials and biotechnologies with direct clinical applications in the interconnected fields of periodontology, oral surgery, and esthetic and implant dentistry. Review articles are also welcome if they make the synthesis of new approaches in these fields.

Potential topics include, but are not limited to:

- ▶ New biomaterials and techniques of bone grafting or bone regeneration
- ▶ New biomaterials and techniques for periodontal and peri-implant soft tissue management
- ▶ New bone substitutes and healing membranes for periodontal and implant reconstructions
- ▶ New technologies and strategies in oral regenerative medicine and bioengineering (e.g., the use of growth factors or fibrin-based surgical adjuvants)
- ▶ New pharmacological technologies and strategies during periodontal treatments and oral surgery (example.g., mouthwash and oral gel)
- ▶ New dental implant surfaces and design for the improvement of osseointegration

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