Journal of
Functional Biomaterials

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Advanced Biomaterials and Oral Implantology

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Deadline for manuscript submissions:
closed (20 September 2023)

Message from the Guest Editors

This Special Issue, entitled "Advanced Biomaterials and Oral Implantation", aims to introduce studies that reflect the progress in nanobiomaterials, polymers, drug release and surface functionalization but certainly also includes the hot topics within the clinical workflow such as immediate implant placement, immediate restoration and the digital workflow.

The main topics of this Special Issue include, but are not limited to, the following:

- Advances in substrate materials, e.g., metal, bioceramics, polymer, composite;
- Macro-/micro implant-surface modifications;
- Surface functionalization (e.g., drug release, hormones, immobilized antibacterial agents, antimicrobial peptides);
- Degradable and non-degradable alloplastic bone substitute biomaterials (biomaterial scaffolds, oral tissue engineering and bone regeneration);
- Loaded bioscaffolds (and implant regenerative medicine / in bone reconstruction/regeneration);
- Individualized/customized implant fabrication/reconstruction (CAD/CAM) including 3D printing;
- Clinical workflow: immediate implant placement; immediate loading/restoration; digital workflow; bone management.

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Editor-in-Chief

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Message from the Editor-in-Chief

The biomaterials field is one of the largest and fastest growing research areas both in the scientific community and in the industrial one. Biomaterials are the result of collaborations between different disciplines: chemistry, medicine, pharmacology, engineering and biology. The objective of this collaboration is to lead to the implementation of new devices to restore form and human body functions. The mission of the *Journal of Functional Biomaterials* (*JFB*) is to focus attention on physico-chemical characteristics and their importance in the interactions between biomaterials and living tissues. *JFB* seeks to publish studies on the preparation, performance and use of biomaterials in biomedical devices, as well as regarding their behavior in physiological environments. We are pleased to welcome you as our authors.

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