

Special Issue

Bioactive Ceramics in Regenerative Medicine: From Bone Grafts to Dental Implants

Message from the Guest Editor

Bioactive ceramics have emerged as one of the most promising classes of materials in regenerative medicine, particularly in applications related to bone and dental tissue repair. Their unique ability to interact with biological tissues, promote osteointegration, and support the regeneration of hard tissues makes them indispensable in the design of next-generation bone grafts and dental implants. This Special Issue of *Bioengineering*, entitled “Bioactive Ceramics in Regenerative Medicine: From Bone Grafts to Dental Implants”, is dedicated to showcasing recent advances in the development, characterization, and clinical application of bioactive ceramic materials. We aim to provide a comprehensive overview of the latest innovations that bridge the gap between material science and clinical outcomes. Examples of relevant subjects include the following: Design and synthesis of novel bioactive ceramics; Bioactive coatings for orthopedic and dental implants; Composite and hybrid materials involving ceramics; Three-dimensional printing and fabrication techniques for ceramic scaffolds.

Guest Editor

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