

Special Issue

Advanced Biomaterials for Bone and Tooth Regeneration

Message from the Guest Editor

Bone and tooth regeneration are the goal of best clinical practice in dentistry. Due to its biological properties, autologous bone is the gold standard for bone reconstruction. However, since it is not always possible to obtain autologous bone, to avoid the related bone harvesting morbidity and possible related surgical complications, other alternatives are increasingly used and preferred by many dentists. Biomaterials have been greatly improved in recent decades and can be used with a high rate of success, making the regenerative procedure easier for the dentist and more comfortable for the patient. Tissue engineering is also improving very fast, allowing bone regeneration and also providing a better future alternative for tooth reconstruction. Thus, evidence-based dentistry from clinical trials and systematic reviews summarizing the advantages and disadvantages, indications, limitations, and best techniques are constantly required to keep professionals up to date. For this Special Issue, we aim to provide the most up-to-date information on these regenerative procedures.

Guest Editor

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Message from the Editor-in-Chief

Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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