

Special Issue

Biomechanics of Bone and Dental Implants

Message from the Guest Editors

This Special Issue will give an up-to-date view of the Biomechanics of Bone Tissue and Dental Implants, useful both for academic researchers and clinicians in their daily practice. Topics covered will include the different behaviors under loading of different types of bones, ranging from D1 to D4; the bone modeling and remodeling; and the importance of different implant shapes; thread configurations, implant–abutment connections, and implant surfaces for best achieving long-term implant success. The clinical implications and benefits for patients could be very significant and related to the understanding of optimal implant positioning (over the implant crest, at the level of the crest, under the crest), the use of the immediate loading and immediate post-extraction implants concepts and techniques, such as the healing of the alveolar socket. Also, what happens to peri-implant mineralized tissues in the long term (even more than 3 decades) will be discussed. We welcome colleagues involved in this field to contribute original articles or reviews to this Special Issue.

Guest Editors

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About the Journal

Message from the Editor-in-Chief

The field of osteology is rapidly evolving. Recent discoveries have transformed our understanding of bone metabolism, healing mechanisms, and the management of skeletal disorders. A deeper insight into the biological and clinical processes underlying bone repair and regeneration offers new opportunities to enhance patient care and therapeutic strategies.

Osteology was established with this vision in mind. *Osteology* is an international, peer-reviewed, open access journal dedicated to basic and clinical research in bone science, published quarterly online by MDPI. Supported by a dynamic scientific community, the journal is committed to excellence through a rigorous and transparent peer-review process.

We invite researchers worldwide to submit high-quality clinical and experimental studies to advance innovation and knowledge in osteology.

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