Special Issue

Biomechanical Evaluation of Bone Tissue Engineering

Message from the Guest Editors

Achieving success in bone tissue engineering demands a delicate equilibrium among mechanical strength, biocompatibility, biodegradability, and bio-inductivity. Consequently, the meticulous selection of appropriate biomaterials and the optimization of engineered matrix properties emerge as pivotal facets within this domain. These new biomaterials may effectively promote bone regeneration and thus have a significant impact on individual patients and healthcare systems. This Special Issue aims to collect contributions from researchers and in the form of comprehensive reviews and research articles on recent advancements in the application and use of various biomaterials in bone tissue engineering.

Topics will include, but not be limited to. scaffold design and fabrication; biomaterials for 3D printing, biocompatibility, and biodegradability; host response to implants; cell–scaffold interactions; and scaffold-based drug delivery. Both original research articles and reviews are welcome. All papers will be published in an open-access format following a peer-review process.

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Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Bioengineering* (ISSN 2306-5354). *Bioengineering* is published in open access format – research articles, reviews and other contents are released on the Internet immediately after acceptance. The scientific community and the general public have unlimited and free access to the content as soon as it is published. *Bioengineering* provides an advanced forum for the science and technology of bioengineering. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

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