

Special Issue

Bio-Inspired Biodegradable Scaffold Constructs for Bone Tissue Repair

Message from the Guest Editors

This Special Issue will focus on new advancements in the synthesis, characterization, and biological as well as clinical behaviour of bioinspired biodegradable bone constructs in translational studies embracing the fourth industrial revolution and aiming at identifying new trends and manufacturing smart technologies, personalized materials, and applications. The Issue invites papers that will cover original research and comprehensive review articles on materials derived from and structured on nature and their applications. It will expand into the design and development of functional devices integrating cyber-physical systems at different hierarchical levels throughout the manufacturing process, and of computational models to create algorithms. Articles combining materials science, engineering, chemistry, biology, and technologies to enhance the translation to the clinic of promising approaches will have priority.

Guest Editors

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Deadline for manuscript submissions

closed (31 August 2020)



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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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