

Special Issue

New Trends in Materials for Tissue Engineering

Message from the Guest Editors

For this Special Issue, we invite scientists from different fields to contribute recent studies that explore the interactions of novel materials such as polymeric, metallic, composites, and ceramics with the physiological environment and how such interactions can assist in tissue regeneration in soft and hard tissues. The scope of this Special Issue can be summarized (but not limited) by the following topics:

- 3D Bioprinting;
- Preparation and characterization of 3D novel porous scaffolds for tissue engineering;
- Conductive materials promoting tissue engineering;
- Developing decellularized bioscaffolds for tissue engineering;
- Tissue engineering materials' interactions with immune cells;
- Cell sheets and stem cell cross talk with engineered materials for tissue regeneration;
- Micro- and nano-materials as drug delivery systems for tissue regeneration;
- Modulating the immune system in favor of tissue regeneration by utilizing novel hybrid materials.

Guest Editors

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Deadline for manuscript submissions

closed (29 February 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.

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