Special Issue

Polymer Scaffolds for Tissue Engineering Applications

Message from the Guest Editors

Tissue engineering is a multidisciplinary field, allowing for the supply of appropriate and alternative solutions for autografts, allografts, as well as xenografts. One tissue engineering approach includes the use of natural polymers and synthetic ones. Polymer-based scaffolds are utilized for the repair and regeneration of many organs, such as skin, liver, pancreas, cartilage, or bone. The main aim of this Special Issue is to underline the recent progress in the field of tissue engineering, with particular emphasis on polymer scaffolds. All articles (original research papers and reviews) are welcome in this Special Issue. Submitted manuscripts should be primarily (but not only) concerned with the development of new wound dressings, skin substitutes, bone scaffolds, cartilage scaffolds, as well as drug carriers. Papers presenting a complex description (involving inter alia fabrication methods and biological, mechanical, and physicochemical characterization) of novel polymer-based biomaterials for tissue engineering applications are mainly promoted.

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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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