Special Issue

Biodegradable Scaffolds 2021

Message from the Guest Editor

Design of biodegradable scaffolds is indispensable for tissue engineering and organ regeneration. Continued research has been focused to improve characteristics of these artificial templates and to provide similar properties to the living tissues. A wide range of materials have been successfully employed, but ideal compounds have yet to be obtained due to the multiple requirements that remain to be accomplished. Furthermore, additional properties can be easily achieved by incorporating different agents as growth factors that stimulate tissue regeneration and bactericide drugs that avoid infection risk and biofilm formation. Considerable efforts are also being devoted to the design of new technologies able to prepare three-dimensional scaffolds with controlled porosity, pore size, and connectivity. This Special Issue of *Applied Sciences* will discuss, collect, and offer recent highlights and advances on the design of new materials including hybrid systems, incorporation of pharmacological agents and development of new processing technologies as ultrasonic micro-molding, melt electrospinning and 3D printing. Prof. Dr. Jordi Puiggalí

Guest Editor

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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.

Editor-in-Chief

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