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Novel Insights in Fabrication of Scaffolds Using Electrospinning and Electrochemical / Electrophoretic Depositions

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Deadline for manuscript submissions:
closed (31 December 2020)

Message from the Guest Editors

Dear Colleagues,

We would like to invite you to contribute a short communication, full article or review to this Special Issue, entitled 'Novel Insights in Fabrication of Scaffolds Using Electrospinning and Electrochemical / Electrophoretic Depositions'.

Electrospinning enables the fabrication of fibrous scaffolds with fibers in the sub-micrometer range, able to mimic the morphology of the native extra cellular matrix (ECM).

Electrochemical/electrophoretic depositions have been widely used to deposit on metallic substrates ceramics or polymers.

Thanks to the versatility of these fabrication techniques, it will be possible to investigate scaffolds for a wide range of applications to promote the regeneration of hard and soft tissues but also to fabricate scaffolds for drug and gene delivery. The combination of several scaffolds' fabrication techniques is suitable to obtain complex multilayered structures with gradients in composition, morphology, physical and mechanical properties for interface tissue engineering applications.

For further reading, please visit the ***Special Issue website.***

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Special Issue

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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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