

Special Issue

Advanced Biomaterials and Dynamic Scaffolding in Regenerative Medicine

Message from the Guest Editors

This Special Issue on "Advanced Biomaterials and Dynamic Scaffolding in Regenerative Medicine" addresses the critical role of cutting-edge materials and scaffolding techniques in revolutionizing tissue engineering and regenerative therapies. With the growing demand for personalized and effective treatments, advanced biomaterials offer unique properties, including biocompatibility, bioactivity, and controlled degradation, that are essential for supporting cell growth and tissue regeneration. Dynamic scaffolds, which mimic the extracellular matrix and provide mechanical cues, further enhance the ability to restore or replace damaged tissues. This issue will explore innovations in smart biomaterials, 3D bioprinting, and biofunctional scaffolds that adapt to physiological conditions and promote cell differentiation and tissue formation. For more information on the Special Issue, please visit [LINK](https://www.mdpi.com/journal/applsci/special_issues/BXXE26933)

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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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