



## Anatomy-Inspired Scaffolds in Tissue Engineering: Development and Applications

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submissions:

**closed (20 September 2022)**

### Message from the Guest Editors

Dear Colleagues,

To date, the urgent need for effective tissue substitutes which are able to replace or repair injured or diseased tissues has prompted research in tissue engineering with the ambitious purpose to improve human health. Several natural, synthetic or composite tissue mimics, either functional or growing into functionality, can be developed combining tools and methods from medicine, anatomy and biology with engineering and physical sciences. Only the identification of that complex and fine balance among morphological, ultrastructural, mechanical and biological characteristics can guarantee effective devices able to provide for satisfactory outcomes in vivo in an era of increasingly personalized medical care.

This Special Issue aims to encourage researchers from different fields of research to share their recent advances in the development of vanguard, anatomy-inspired scaffolds for tissue engineering. Original research contributions referring to both in vitro and in vivo studies as well as reviews and mini-reviews are welcome for this 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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