

Special Issue

Novel Design Tools and Methods for 3D Printing in Bioengineering

Message from the Guest Editor

Layer-on-layer additive manufacturing (AM) techniques allow for the creation of structures with sophisticated or functional topologies that mimic those found in natural materials. When paired with multimaterial printing or variable density design, free-form capabilities of AM techniques present a rare opportunity for the manufacture of architected materials with specialized functionality and (mechanical) properties. Therefore, we invite review and original articles on the creation of 3D-printed functional structures for this Special Issue. Advances in their characterization, (post-)processing, computational modeling, and biomedical engineering applications are also covered.

Guest Editor

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Deadline for manuscript submissions

closed (20 September 2023)



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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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