

Special Issue

Advanced Materials for Polymeric 3D Printing Applications

Message from the Guest Editors

Various AM techniques, such as extrusion (fused deposition modeling/fused filament fabrication), photopolymerization (stereolithography (SLA)/digital light processing (DLP)) and beam deposition (selective laser sintering (SLS)), can be used to 3D print polymeric components. Research in additive manufacturing (AM) and 3D printing of polymeric materials is receiving growing attention due to a wider selection of materials, reasonable print performance and more affordable costs, in addition to the common advantages of additive manufacturing. However, in order to extend the uses of 3D printed components their mechanical performance must be improved. New polymeric materials or new polymer composite materials are needed to widen the application of 3D printed polymers. This Special Issue welcomes research or review papers on a wide variety of topics covering advanced materials in polymeric 3D printing applications, as well as unique applications of 3D printing technologies.

- advanced materials
- additive manufacturing
- 3D printing

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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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