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Applications of 3D Printing for Polymers

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Message from the Guest Editor

Polymer 3D printing is an emerging technology in research and industry for diverse applications ranging from prototypes to end-use designs. 3D printing uses additive manufacturing processes to fabricate designed parts using polymer materials including thermoplastics, thermosets, elastomers, biomaterials, and more. Polymer printing is advantageous for its wide range of material properties, inexpensive processing costs, and potential for complex design fabrication. Common applications for polymer 3D printing include prosthetics in the medical industry, lightweight/high-strength parts for aerospace applications, and inexpensive customized parts for consumers.

This Special Issue welcomes papers on a wide variety of topics in polymer applications in 3D printing and research that supports relevant fundamental advances; these applications can range from diverse industries including but not limited to medical, aerospace, automobile, electronics, and consumer with 3D printing processes for extrusion, resin, and powder-based fabrication approaches.



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Special Issue



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Message from the Editor-in-Chief

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