



## Polymeric Materials in 3D and 4D Printing

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### Message from the Guest Editor

Engineering by multilayered methodologies, such as 3D or 4D printing, is redefining the manufacturing process at multiscale levels with extraordinary design freedom in the era of digital fabrication technology. The stepwise layer-by-layer process which is typical in 3D printing to a continuous process may significantly accelerate the practical potential of printing technology. Being based on traditional 3D printing, it and 4D printing can encompass a wide range of disciplines, such as materials science, bioengineering, and chemistry/chemical engineering, and have the true potential to emerge as the next-generation manufacturing technique.

The innovation of polymeric materials, the material properties discussion, the correlation between material and fabrication process, the novel applications of 3D or 4D printing with polymeric materials, and the state-of-the-art and limitations that exist in the current material modalities will be explored in this proposed Special Issue of Polymers.





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