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3D Printing: Materials, Properties, and Applications

Guest Editor:

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Deadline for manuscript submissions:

closed (10 March 2023)

Message from the Guest Editor

Dear Colleagues,

Three-dimensional printing, also known as additive manufacturing, offers an unprecedented opportunity to produce complex and customized products for industrial applications. This emerging technology has the ability to transform the existing design and manufacturing processes. A wide range of three-dimensional (3D) structures and geometries can be fabricated using different kinds of materials.

The present Issue aims to promote the development of 3D printing continuously and offer a platform to the research community to address the most outstanding advances in this field. An understanding of the fundamental relationships of materials, printing parameters, and properties is pursued. Both theoretical and experimental contributions can be submitted. Among others, the following topics are encouraged in this Special Issue:

- 3D printing process investigation;
- 3D printing of fiber-reinforced composites;
- Investigation of mechanical properties;
- Thermal treatments, dimensional accuracy, and deformation evaluation;
- Innovative process strategies;
- Process monitoring and control;
- Novel 3D printing methods and systems;
- Numerical simulation.













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Message from the Editor-in-Chief

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