

## Special Issue

# 3D Printing: Materials, Properties, and Applications

### Message from the Guest Editor

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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### Guest Editor

Dr. Nanya Li

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### Deadline for manuscript submissions

closed (10 March 2023)



## Materials

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### Message from the Editorial Board

*Materials* (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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