



The Science and Technology of 3D Printing

Guest Editor:

Dr. Tuhin Mukherjee
Department of Mechanical
Engineering, Iowa State
University, Ames, IA, USA

Deadline for manuscript
submissions:
closed (15 August 2021)

Message from the Guest Editor

I am writing to invite you to submit a manuscript on the science and technology of additive manufacturing/3D printing for a Special Issue of *Materials*. Submissions may focus on novel scientific or technological aspects of 3D printing processes or part attributes. Topics of interest include but are not limited to novel design for 3D printing; new applications of 3D printing processes; alloy design; 3D printing of single crystals; tailoring microstructure; customized mechanical and chemical properties; improved creep resistance, fatigue life, and serviceability; micro- and mesoscale defects; residual stresses and distortion; applications of mechanistic and statistical modeling; and machine learning in 3D printing. The scope of this Special Issue also includes all 3D printing processes for alloys, ceramics, and polymers. The categories of paper types that will be considered include technical papers, short communications, perspectives, and reviews. The contents must be original unpublished work that have not been submitted for publication elsewhere.

We look forward to working with you in the publication of this Special Issue.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Ei Compendex, CaPlus / SciFinder, Inspec, Astrophysics Data System, and other databases.

Journal Rank: JCR - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/materials
materials@mdpi.com
[X@Materials_Mdpi](https://twitter.com/Materials_Mdpi)