Special Issue

Rising Stars in Additive Manufacturing

Message from the Guest Editors

Additive manufacturing (AM) is a technology that enables the creation of functional parts with design freedom, making it a popular choice in various industrial sectors. Recent advancements in AM techniques have opened up many opportunities in terms of reducing the materials used and fabrication costs. This Special Issue continues the series “Progress in Additive Manufacturing: Design, Fabrication and Post Processing” and is dedicated to various areas of research relevant to AM, including both polymer and metal. Processing parameters and post-processing methods (not limited to annealing and chemical modifications) are of particular interest.

This Special Issue aims to collect high-quality papers from excellent young researchers and welcomes submissions on the additive manufacturing of elements with predicted microstructure and mechanical properties, the use of artificial intelligence/machine learning (AI/ML), numerical algorithms, and μ-CT imaging for quality control. We also welcome submissions improving the design of materials through various AM techniques and modifications to commercial machines.

Guest Editors

Dr. Bartłomiej Wysocki
Prof. Dr. Anton Du Plessis
Dr. David Dean

Deadline for manuscript submissions

closed (20 June 2025)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/188132

Materials
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

mdpi.com/journal/materials

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/journal/materials

MDPI

About the Journal

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.

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

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 - Q2 (Metallurgy and Metallurgical Engineering) / CiteScore - Q1 (Condensed Matter Physics)