

## Special Issue

# Metallic Additive Manufacturing: Design, Materials, Processes and Applications

### Message from the Guest Editors

We are pleased to announce a Special Issue focused on the latest advancements in the Additive Manufacturing (AM) of Metallic Materials. This issue aims to explore cutting-edge research in various areas, including the Selective Laser Melting process, porous structures, tissue engineering, functional biomaterials, Powder Metallurgy, innovation in integrated techniques, lattice and scaffolds design and simulation, and Wire Arc Additive Manufacturing. AM has revolutionized traditional manufacturing processes, enabling the production of complex geometries and customized designs.

This Special Issue will showcase research on metallic complex shapes, exploring their unique characteristics and applications in different fields. Powder Metallurgy techniques will also be featured and combined with AM for potential in manufacturing advanced materials. We invite researchers, scientists, and engineers to contribute original research papers and reviews to this Special Issue. Submissions should address significant processes, advancements, fabrications, and applications in the Additive Manufacturing of Metallic Materials.

---

### Guest Editors

Dr. Ramin Rahmani

Dr. Miha Brojan

Dr. Tatevik Minasyan

Dr. Maksim Antonov

---

### Deadline for manuscript submissions

closed (20 February 2024)



## Materials

---

an Open Access Journal  
by MDPI

---

**Impact Factor 3.2**  
**CiteScore 6.4**  
**Indexed in PubMed**



[mdpi.com/si/177894](https://mdpi.com/si/177894)

*Materials*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[materials@mdpi.com](mailto:materials@mdpi.com)

[mdpi.com/journal/  
materials](https://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](https://mdpi.com/journal/materials)



## 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)