



Advanced Materials in Additive Manufacturing for Medical Applications

Guest Editors:

Prof. Dr. Rafael Antonio Balart Gimeno

Dr. Teodomiro Boronat Vitoria

Prof. Dr. Joaquim Ciurana Gay

Prof. Dr. Arantxa Eceiza Mendiguren

Dr. Luís Jesús Quiles Carrillo

Deadline for manuscript
submissions:
closed (31 May 2021)

Message from the Guest Editors

Additive manufacturing (AM) has found one of its most innovative and versatile applications in the field of healthcare. AM technologies are currently not only used to manufacture prototypes for training, simulation, and presurgical planning of complex surgical procedures, but also to produce customized prosthetics and medical tools. However, these applications are only the first step, and materials and manufacturing processes for 3D printing for medical applications are in a continuous, complex state of evolution due to the material–process–property–functionality relationship.

This Special Issue seeks to present original articles, review articles, and state-of-the-art research papers that focus on:

- Research, development, and standardization of materials suitable for medical additive manufacturing;
- Frontier technological and progress research of medical additive manufacturing;
- Research on clinical translation and application of medical additive manufacturing.

We kindly invite you to submit a manuscript(s) for this Special Issue. Full papers, communications, and reviews are all welcome.





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 - Q2 (*Metallurgy & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
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)