



an Open Access Journal by MDPI

New Advances in Additive Manufacturing Technology

Guest Editors:

Dr. Federica Trovalusci

Department of Enterprise
Engineering “Mario Lucertini”,
University of Rome “Tor Vergata”,
via del Politecnico 1, 00133
Roma, Italy

Dr. Alba Scerrati

Department of Translational
Medicine, University of Ferrara,
44121 Ferrara, Italy

Deadline for manuscript
submissions:
closed (20 March 2024)

Message from the Guest Editors

Additive manufacturing is a pillar of Industry 4.0. This technology allows engineers to obtain very complex components, which are impossible to fabricate with other technologies. The advantages in terms of geometrical fidelity, flexibility in materials, product performance, weight reduction, and customization have attracted an increasing amount of interest in many sectors of industry and in the medical field.

This Special Issue aims to offer an exchange platform for researchers and practitioners to address relevant advances in additive manufacturing.

In this Issue, modern trends of technologies, new applications in industry and medicine, strategies, and manufacturing approaches, including process optimization, innovative materials, product properties, surface finishing, and treatments, are highlighted and discussed.

Scientific contributions dealing with computational approaches for modeling the process, environmental impact analysis, and other manufacturing processes to establish differences and possible similarities are 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 - 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)