



Advances in Functional Conductive 3D Printed Nanomaterials and Nanostructures

Guest Editors:

Prof. Dr. Jacek Ryl

Institute of Nanotechnology and Materials Engineering, Faculty of Applied Physics and Mathematics, Gdansk University of Technology, 80-233 Gdansk, Poland

Dr. Robert Bogdanowicz

Department of Metrology and Optoelectronics, Faculty of Electronics, Telecommunications and Informatics Gdansk University of Technology, Gdansk, Poland

Deadline for manuscript submissions:

closed (20 February 2022)

Message from the Guest Editors

Dear Colleagues,

Additive manufacturing in the form of 3D printing was first developed in a process known as stereolithography (SLA), which was shortly after followed by subsequent developments such as digital light processing (DLP), fused deposition modelling (FDM), selective laser sintering (SLS), inkjet printing, contour crafting (CC), and many others. 3D printing involves various methods, materials, and equipment. Additive manufacturing technologies have been widely applied in many branches of industry, such as industrial design and construction, automobiles, architecture, mechanical engineering, prototyping, biomedical and biomechanical engineering, etc.

It is our pleasure to invite you to submit a manuscript to this Special Issue focused on 3D-printing technologies, materials, and printouts designed for customized applications. Full papers, communications, and reviews on fabrication and manufacturing, properties, and applications of advances in additive manufacturing are all welcome.

Assoc. Prof. Jacek Ryl

Assoc. Prof. Robert Bogdanowicz

Guest Editors





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)