Special Issue

3D Printed Biopolymers

Message from the Guest Editor

Dear Colleague The aim of this Special Issue is to report the new achievements in the production of biopolymers via 3D printing. The production of biopolymers using 3D printing technology can result in materials with new properties and designs that can be used in a wide range of applications with a significantly reduced environmental footprint. In this Special Issue, we welcome articles on the synthesis of biopolymers for 3D printing, the production of composites via 3D printing, printability, the properties of 3D printed biopolymers and reviews on the 3D printing of biopolymers. Potential topics include, but are not limited to, the following:

- Biopolymer synthesis for 3D printing.
- Printability
- 3D printed biopolymers properties.
- 3D printed synthetic biopolymers.
- 3D printed natural biopolymers.
- 3D printed natural fiber biopolymer composites.

Guest Editor

Dr. Celio G. Figueiredo-Pina

Center for Product Development and Technology Transfer and Department of Mechanical Engineering, Setúbal School of Technology, Instituto Politécnico de Setúbal, 2910-761 Setúbal, Portugal

Deadline for manuscript submissions

closed (20 March 2024)

Materials

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/184167

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)