

Special Issue

Composite Foams: Manufacturing, Performance, and Applications

Message from the Guest Editors

It is our pleasure to invite you to submit a manuscript to the forthcoming Special Issue of the international peer-reviewed open access Materials journal (ISSN: 1996-1944). Due to their special characteristics, *cellular materials* have become attractive for various industrial and household applications. Compared to fully dense materials, the most important attributes of *foams* are lightweight features, high ability to absorb impact energy, high strength/stiffness per unit weight and good thermal/acoustic properties. Their cellular structure is the key factor in their interesting properties. On the other hand, *composite foams* are a new class of cellular materials with properties superior to conventional cellular materials. This special issue represents a good opportunity to disseminate various issues related to recent developments in advanced composite foams. Topics of special interest include, but are not limited to, the manufacturing techniques, structural and functional performances, microstructure-properties relationship and applications of composite foams. Research and review articles, along with short communications, are invited for consideration in this Special Issue.

Guest Editors

Prof. Dr. Emanoil Linul

Dr. Daniel Pietras

Dr. Nima Movahedi

Deadline for manuscript submissions

closed (31 May 2023)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 5.8
Indexed in PubMed



mdpi.com/si/109489

Materials
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
materials@mdpi.com

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





Materials

an Open Access Journal
by MDPI

Impact Factor 3.1
CiteScore 5.8
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 - Q1 (Metallurgy and Metallurgical Engineering) /
CiteScore - Q2 (Condensed Matter Physics)