



an Open Access Journal by MDPI

Microstructure-mechanical Properties Relationship for Porous Materials

Guest Editor:

Dr. Emanoil Linul

Department of Mechanics and
Strength of Materials, Politehnica
University of Timisoara, 300222
Timisoara, Romania

Deadline for manuscript
submissions:

closed (31 July 2020)

Message from the Guest Editor

Dear Colleagues,

It is my pleasure to invite you to submit a manuscript to the forthcoming Special Issue “Microstructure-Mechanical Properties Relationship for Porous Materials” in *Materials*.

This Special Issue represents a good opportunity for researchers around the world to disseminate different aspects of their work related to advanced porous materials: Physical and mechanical properties, collapse mechanisms, microstructure, matrix properties, manufacturing routes and their industrial applications. Of particular interest for this Special Issue is the connection between microstructure and effective properties of porous materials. Therefore, research topics focused on developing novel applications, with emphasis on microstructural features are encouraged. Different conventional/non-conventional experimental and numerical approaches are welcome, with a special appreciation for microstructure-properties relationship.

Research articles, reviews and communications are invited for this Special Issue. If you need any further information about this Special Issue, please do not hesitate to contact me.

Dr. Emanoil LINUL

Guest Editor



mdpi.com/si/14538

Special Issue



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 and Metallurgical Engineering) / CiteScore - Q1 (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)