

Special Issue

Advances in Computational Materials Micro-Mechanics

Message from the Guest Editors

In recent years, progress in the micro-/nano-characterization of experimental materials and the increased affordability of high-performance computing (HPC) have favoured the development of extensive research in computational materials micromechanics, which now effectively supports the development of novel high-performance materials for multifunctional engineering applications [...] The of this Special Issue are also leading a mini-symposium entitled **Advances in Computational Materials Micro-Mechanics**, to be held at the next ICCES 2020 (26th International Conference on Computational & Experimental Engineering and Sciences) - <http://www.iccesconf.org/>, Budva, Montenegro/26–30 April 2020. Contributions to this event will be also considered as potential manuscripts for the Special Issue. For more details, please visit: mdpi.com/si/36195

Guest Editors

Prof. Dr. Ivano Benedetti

Department of Engineering, University of Palermo, Viale delle Scienze, Edificio 8, 90128 Palermo, Italy

Prof. Fabrice Barbe

Group of Physics of Materials, INSA Rouen Normandie, France

Dr. Antonio Caggiano

Department of Civil, Chemical and Environmental Engineering, University of Genova, Genova, Italy

Deadline for manuscript submissions

closed (20 January 2022)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/36195

Materials
Editorial Office
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 3.2
CiteScore 6.4
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 - Q2 (Metallurgy and Metallurgical Engineering) /
CiteScore - Q1 (Condensed Matter Physics)