

Special Issue

Novel Techniques for Materials Characterization

Message from the Guest Editor

The Special Issue collects original and state-of-the-art techniques used to characterize the structure and behavior of materials. Nowadays, advanced applications drive the research and development of functional materials either to increase their properties or to introduce new functionalities. This process goes hand in hand with the improvement of materials characterization methods. New approaches constantly emerge as traditional techniques are tested by demanding applications and requirements. The Special Issue invites original research articles and reviews which focus on novel materials characterization techniques connected to all forms of microscopy, (e.g. optical, scanning electron, scanning probe, transmission electron, laser-confocal, florescent, acoustic microscopy, etc.) spectroscopy (e.g. electron, X-ray, X-ray photoelectron, Raman, Fourier-transform infrared spectroscopy, etc.) diffraction based (electron, X-ray, neutron) and electrochemical methods[...] More details at mdpi.com/si/36301

Guest Editor

Dr. Attila Bonyár

Department of Electronics Technology, Budapest University of Technology and Economics, Egrý József Street 18, Building VI, 007, 1111 Budapest, Hungary

Deadline for manuscript submissions

closed (30 September 2020)



Materials

an Open Access Journal
by MDPI

Impact Factor 3.2
CiteScore 6.4
Indexed in PubMed



mdpi.com/si/36301

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)