Special Issue

Microscopy in Material Science: Imaging, Analytics, and New Materials

Message from the Guest Editor

The microscopy techniques have become essential in the field of academic or private research ranging from life science to nanotechnology or fundamental physics as well as for quality control in various industries. Numerous materials properties are probed in these well-known microscopes, which are otherwise complementary: Light Microscope, Transmission Electron Microscope (TEM and High-Resolution TEM, Scanning TEM), and Scanning Electron Microscope (SEM).

The evolution and optimization over the past few years of the microscopy associated techniques for characterizing a wide range of materials at different scales from the bulk to atomic level allowed a huge progress in the understanding of links between their features. These techniques play an important role on the enhancement and development of new materials and more sophisticated structures.

This Special Issue will be dedicated to materials related to microscopy techniques. Full papers, communications, and reviews are all welcome.

Guest Editor

Dr. Nabila Maloufi

1. LEM3, Université de Lorraine, CNRS, 57070 Metz, France
2. Labex Damas, Université de Lorraine, 57073 Metz, France

Deadline for manuscript submissions

closed (20 November 2022)

Materials

an Open Access Journal by MDPI

Impact Factor 3.1
CiteScore 6.4
Indexed in PubMed

mdpi.com/si/55298

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 3.1
CiteScore 6.4
Indexed in PubMed

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 - Q1 (Condensed Matter Physics)