



an Open Access Journal by MDPI

Preparation and Properties of Thin Films

Guest Editor:

Dr. Mariana Osiac

Department of physics, University
of Craiova, 200585 Craiova,
Romania

Deadline for manuscript
submissions:

closed (10 June 2023)

Message from the Guest Editor

Pulsed laser deposition (PLD) is a widely used technique for processing materials, such as thin films, for various technical applications. One application of thin films is its use as an active membrane for gas sensors. Nowadays, research is being done to find new materials for use in the detection of toxic gases. Of particular interest is obtaining thin films with desired morphology surfaces that are able to detect toxic gases. Therefore, knowledge on the crystalline structure, morphology of the surface, and optical band gap is of great interest. In addition, knowledge on plasma plume generated by lasers is necessary for understanding the physical parameters when obtaining a better active sensor membrane.



mdpi.com/si/74838



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 & Metallurgical Engineering*) / CiteScore - Q2 (*Condensed Matter Physics*)

Contact Us

Materials Editorial Office
MDPI, St. Alban-Anlage 66
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)