



*materials*



an Open Access Journal by MDPI

## CVD Deposition and Characterization of Multilayers and Thin Films

Guest Editor:

**Dr. Victor Ralchenko**

General Physics Institute, Russian  
Academy of Sciences, 38 Vavilova  
St., Moscow 119991, Russia

Deadline for manuscript  
submissions:

**closed (31 July 2022)**

### Message from the Guest Editor

Science and technology of thin films produced by CVD techniques, demonstrates a continuous progress due to the synthesis of new materials, adapting deposition parameters to demands of particular applications, better in situ control of reaction gas chemistry, and sophisticated methods for material characterization. CVD films are indispensable for the fabrication of electronic and photonic devices, surface coatings with special properties such as high hardness, wear and chemical resistance, low friction, superhydrophobicity, dielectric/conductive layers, bioactivity, and many others.

This Special Issue will be devoted to all aspects related to CVD films: growth, characterization and applications, to present the state-of-the-art in this rapidly developing field, with a special focus on multilayer structures and interface phenomena. Original research papers and review articles related to these areas are cordially invited.



[mdpi.com/si/64255](https://mdpi.com/si/64255)

**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 - Q1 (Metallurgy and Metallurgical Engineering) / CiteScore - Q2 (*Condensed Matter Physics*)

## Contact Us

*Materials* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/materials](http://mdpi.com/journal/materials)  
[materials@mdpi.com](mailto:materials@mdpi.com)  
[X@Materials\\_Mdpi](https://twitter.com/Materials_Mdpi)