

Advanced Thin Films Technologies for Optics, Electronics, and Sensing

Guest Editor:

Dr. Octavian Buiu

National Institute for Research
and Development in
Microtechnologies (IMT
Bucharest), 077190 Voluntari,
Romania

Deadline for manuscript
submissions:

15 November 2024

Message from the Guest Editor

We are pleased to invite you to submit your work to this Special Issue, “Advanced Thin Films Technologies for Optics, Electronics, and Sensing”.

The theme of this Special Issue is focused on thin-film applications in advanced optics, electronics, and sensing. In particular, papers are invited that discuss recent advances in synthesis and specific characterization techniques supporting the correlation between structure and specific properties, design and realization of devices based on thin films.

In this Special Issue, original research articles and critical reviews (focused on a specific group of materials or/and specific applications) are welcome. Research areas may include (but are not limited to) the following:

- Synthesis of thin-film materials;
- Composite and nanocomposite films—design, synthesis, characterization and their use;
- Thin-film chemical and physical deposition techniques;
- Advanced characterization techniques for thin films (bulk, surface, interfaces);
- Optical properties of thin films and their applications;
- Thin films for electronic and sensing devices, microsystems;
- Advances in environmentally friendly methods for thin-film production.



mdpi.com/si/107449

Special Issue

Editors-in-Chief

Prof. Dr. Wei Pan

State Key Laboratory of New
Ceramics and Fine Processing,
School of Materials Science &
Engineering, Tsinghua University,
Beijing 100084, China

Dr. Emerson Coy

NanoBioMedical Centre, Adam
Mickiewicz University in Poznań,
ul. Wszechnicy Piastowskiej 3, 61-
614 Poznań, Poland

Message from the Editorial Board

Now more than ever, research is called for to produce technologies and improve knowledge to solve the major challenges faced by our society. The development of new materials and devices for (without the ambition to be exhaustive) energy, health and food technology, together with the need for establishing processes that reduce the impact on critical resources and the environment, is indeed at the center of most contemporary research. Surface science and engineering play a key role in this regard. Refining surfaces and their modifications provides new materials, architectures and processes with a huge potential to aid most societal challenges. *Coatings* is a well-established, peer-reviewed, online journal that focuses on the dissemination of publications in the field of surface science and engineering. *Coatings* publishes original research articles that report cutting-edge results and review papers on the hottest topics.

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), Inspec, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (*Materials Science, Coatings & Films*) / CiteScore - Q2 (*Surfaces and Interfaces*)

Contact Us

Coatings Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/coatings
coatings@mdpi.com
X@Coatings_MDPI