



Optical Coatings: From Materials to Applications

Guest Editor:

Prof. Dr. Ihor S. Virt

Department of Physics,
Drohobych Ivan Franko State
Pedagogical University, Ivan
Franko 24, 82100 Drohobych,
Ukraine

Deadline for manuscript
submissions:

closed (31 March 2025)

Message from the Guest Editor

Thin-film materials can be used more broadly as photodetectors, infrared and quantum infrared photodetectors, semiconductor and quantum cascade lasers, photovoltaic cells, integrated circuits, and so on. This section welcomes the submission of articles on topics that include: Thin-film and coating technologies, including physical vapor deposition (PVD), magnetron sputtering (MS), sol-gel technology (SLGL), pulsed laser deposition methods (PLD), plasma/ion beam deposition (PIBD), chemical vapor deposition (CVD); Diagnosis of the characteristics of thin films—using optical, electrical, thermal, spectroscopic, mechanical, X-ray and electron microscopic methods.

In particular, the topics of interest include, but are not limited to:

- Technologies and mechanisms of growth of thin films;
- Wide-bandgap, narrow-bandgap semiconductor and metal thin films;
- Thin-film structures for fiber-optic elements, optoelectronic and photovoltaic devices;
- Thin-film coatings for biomedicine and bioelectronics devices;
- Thin films for lenses, mirrors and other optical elements.





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 asked to deliver knowledge and technologies 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 in the spotlight of most contemporary research. Surface science and engineering play a key role in this regard, with an incredible potential in delivering new and deep scientific understanding and technical solutions essential to solve most of the major societal challenges.

Coatings is a well-established, peerreviewed, online journal dedicated to the vibrant field of surface science and engineering. Coatings publishes original research articles that report cutting-edge results and review papers that make the point on the hottest research 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), Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank: JCR - Q2 (Physics, Applied) / CiteScore - Q2 (Surfaces, Coatings and Films)

Contact Us

Coatings Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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

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