

Special Issue

Semiconductor Thin Films: Growth, Characterization, Integration and Applications

Message from the Guest Editor

This Special Issue invites papers on the use of thin films in various fields of science and technology. Of particular interest are thin-film materials used as key elements of technological progress in the production of electronic, photonic, and optoelectronic devices and their integration into various types of devices, as well as the use of high-efficiency thin-film materials for photovoltaic and thermoelectric converters and biomedical technological applications. Papers on their integration with MEMS devices and other recent electronic technologies and their use in industrial devices are also welcome. More generally, the topics of interest include but are not limited to:

- Technologies for growing thin films;
- Mechanisms of growth of thin films;
- Wide-bandgap and narrow-bandgap semiconductors thin films;
- Carbon: nanotubes and graphene;
- Topological insulators thin films;
- Thin-film structures for photovoltaic and thermoelectric devices;
- Thin film coatings for biomedicine and bioelectronics devices.

Guest Editor

Prof. Dr. Ihor S. Virt

Drohobych Ivan Franko State Pedagogical University, Ivan Franko 24,
82100 Drohobych, Ukraine

Deadline for manuscript submissions

closed (15 November 2021)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.0



mdpi.com/si/70235

Coatings

MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)





Coatings

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.0



[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)



About the Journal

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.

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

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, CAPIus / SciFinder, and other databases.

Journal Rank:

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