

Special Issue

Optical Thin Films: Preparation, Application and Development

Message from the Guest Editor

These optical thin films and coatings have recently attracted a great deal of attention and played crucial roles in a variety of fields, such as in energy, sensors, green engineering, display, space, 3C consumer electronics, semiconductor, and biomedical applications, etc. The scope of this Special Issue, “Applications Optical Thin Films: Preparation, Application and Development”, can cover the various aspects of the design, preparation, and application of all optical or optical-related thin film materials studies, as well as their latest development. We sincerely invite you to contribute your original papers to this Special Issue. The topics of interest include but are not limited to:

- Optical thin film material coating and preparation;
- Modeling and design of optical thin films;
- Optical and optical-related physical properties of optical thin films;
- Nanostructured optical thin films;
- Novel optical thin film materials and their characterization;
- Various applications and development of optical thin films.

Guest Editor

Prof. Dr. Chen Tei-Chen

Department of Mechanics, National Cheng kung University, Tainan 701, Taiwan

Deadline for manuscript submissions

closed (15 October 2025)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/68671

Coatings
Editorial Office
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 2.8
CiteScore 5.4



[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), Ei Compendex, CAPlus / SciFinder, and other databases.

Journal Rank:

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