

Special Issue

Glancing Angle Deposited and Anisotropic Thin Films and Coatings

Message from the Guest Editor

Due to high-porosity, low-reflectance, anisotropy properties and high-surface area, glancing angle deposited (GLAD) films and coatings are now implemented in a large range of technological fields, including optic and electronic devices, sensors, energy storage, etc. Along with the development of experimental techniques, progress in high-performance computing now allows us to simulate the deposition process in the atomistic level and study the influence of deposition conditions on films and coatings properties. The aim of this Special Issue is to present the latest progress in the production, application, and modeling of GLAD and anisotropic thin films and coatings through original research papers and reviews.

The topics of interest include but are not limited to:

The latest developments in producing GLAD and anisotropic films and coatings via different processes;

Applications of GLAD in antireflection coatings, photovoltaic cells, sensor technology, etc.;

Structural, mechanical, and optical properties of GLAD and anisotropic films and coatings;

Design of multilayer coatings.

Guest Editor

Dr. Fedor Vasilievich Grigoriev

Research Computing Center, Lomonosov Moscow State University,
Moscow 119234, Russia

Deadline for manuscript submissions

closed (31 December 2021)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/54067

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

Journal Rank:

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