

Glancing Angle Deposited and Anisotropic Thin Films and Coatings

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

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.



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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.

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