

Special Issue

Thin Film Laser Damage, Ablation, Deposition and Structuring

Message from the Guest Editor

This Special Issue seeks to promote research from all aspects of thin-film connections to laser irradiation, including basic, applied, and engineering investigations. This Issue will publish papers in the cutting-edge advances of thin-film interaction, modification, and deposition by the laser beam. The works related to topics of thin-film texturing induced by lasers, including interference ablation, self-organization, and micro-/nano-structuring, are welcome for submission. The scientific insights of multilayer thin-film solar cell laser will also be published. Optical coating damage resistance to laser irradiation is one of the key scopes. Advances in thin-film pulsed laser deposition will also be accepted. Papers related to bio-inspired functional surface creation by the laser ablation of metal, semiconductor, and dielectric layers on various substrates are invited. Potential topics include, but are not limited to, the following:

- Laser interference ablation of thin films;
- Laser-induced nano-structuring of layers;
- Advances in laser-induced forward transfer;
- Pulsed laser deposition of thin films;
- Laser-induced damage threshold of optical coatings.

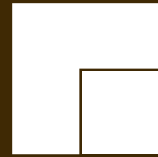
Guest Editor

Dr. Gedvilas Mindaugas

Department of Laser Technologies, Center for Physical Sciences and Technology, LT-02300 Vilnius, Lithuania

Deadline for manuscript submissions

closed (30 June 2021)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.0



mdpi.com/si/30804

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)