Special Issue

New Advances in Functional Optical Thin Films

Message from the Guest Editors

This scope of this Special Issue aims to cover recent developments and the latest research advances in the field of functional optical thin film production, characterization, and application to photonics, optical sensors, optical fibers, solar cells, and green energy production. Authors are invited to submit their papers on optical sensors, energy harvesting devices, solar cells, and any device based on novel fuctional thin film materials. We kindly invite authors to submit a manuscript(s) to this Special Issue on experimental processes, opitcal property measurement, and theoretical and practical analysis of carrier transport and optical device applications. In particular, the topic of interest includes but is not limited to:

- Novel optical functional materials;
- Flexible substrate and their optoelectronic applications;
- Mechanical properties of thin films;
- Fabrication, processing, and properties of optical thin film devices;
- Optical fiber application;
- Functional and conductive polymer thin films;
- Structural characterization of functional thermoelectric thin films.

Guest Editors

Prof. Dr. Tao-Hsing Chen

Department of Mechanical Engineering, National Kaohsiung University of Science and Technology, Kaohsiung 807, Taiwan

Dr. Cheng-Hsien Kuo

Department of Mold and Die Engineering, National Kaohsiung University of Science and Technology, Kaohsiung 807, Taiwan

Deadline for manuscript submissions

closed (31 May 2022)

Coatings

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 5.0

mdpi.com/si/57604

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

mdpi.com/journal/coatings

Coatings

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 5.0

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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

MDPI