

## Special Issue

# Recent Progress in Surface and Interface Properties of Nanostructures

### Message from the Guest Editors

This Special Issue of Coatings entitled "Recent Progress in Surface and Interface Properties of Nanostructures" is devoted to nanostructures and thin films for applications in nanoelectronics, optoelectronics and biomedicine applications.

Along with completely new nanostructures, these can be thin-film nanocomposites d-metal-dielectric/semiconductor, organic compound/semiconductor, porous semiconductors and heterostructures showing unique nonlinear optical, electrical and magnetic properties with variations in the relative composition of components, promising for use in optoelectronics, spintronics, in the creation of shielding coatings, sensors and other devices and structures for biomedicine. We also welcome multilayer nanostructures with alternating metal, dielectric, oxide and nitride layers, which have equally interesting nonlinear optical and electrical and properties when the thicknesses and composition of metal nanolayers and dielectric interlayers vary.

### Guest Editors

Dr. Alexander S. Lenshin

Solid state physics and nanostructures department, Voronezh State University, 394018 Voronezh, Russia

Dr. Vladimir Kashkarov

Solid State Physics and Nanostructures Department, Voronezh State University, 394018 Voronezh, Russia

### Deadline for manuscript submissions

closed (25 September 2024)



## Coatings

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.4



[mdpi.com/si/107836](https://mdpi.com/si/107836)

*Coatings*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[coatings@mdpi.com](mailto: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)