

## Special Issue

# Surface Modification of Nanostructured Materials

### Message from the Guest Editors

We would like to invite you to submit your research work to our Special Issue on “**Surface Modification of Nanostructured Materials**”. Nanostructured materials, compared to their bulk counterparts, exhibit novel physical, chemical, and biological properties mainly due to quantum confinement effects and enhanced surface to volume ratios at the nanometer scale. Owing to the significant surface effects in nanostructured materials’ properties, surface modification can improve, tune, and realize desired characteristic properties/functionalities of nanostructured materials. The surface modification can be done in a well-controlled manner to produce nanoscale functional features through various methods and techniques. This approach may be used in a wide range of advanced technological applications. The topics of interest include but are not limited to: 1. Fabrication/synthesis; 2. Surface modifications; 3. Theoretical calculations/simulation/prediction 4. Nanostructured materials (3D, 2D or 1D); 5. Bottom-up or top-down methods

### Guest Editors

Dr. Xiao Tong

Center for Functional Nanomaterials, Brookhaven National Laboratory, Upton, NY 11973-5000, USA

Dr. Ioana Daniela Dulama

Institute of Multidisciplinary Research for Science and Technology, Valahia University of Targoviste, 130004 Targoviste, Romania

### Deadline for manuscript submissions

closed (30 April 2022)



## Coatings

an Open Access Journal  
by MDPI

Impact Factor 2.8  
CiteScore 5.4



[mdpi.com/si/70340](https://mdpi.com/si/70340)

*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)