

## Special Issue

# Functional Coatings for Metallic and Ceramic Materials

### Message from the Guest Editors

Coatings are used today in many areas of human activity. Moreover, if traditionally it was believed that the main areas of their application are protected against corrosion and giving decorative properties to various materials, then recently, the functions of coatings have expanded significantly. Heat-resistant and wear-resistant coatings on metals and alloys based on iron, aluminum, and other metals are widely used in the industry. In addition to metallic materials, there is a wide range of ceramic and glassy materials.

In this Special Issue, it is planned to publish articles, including, but not limited to the following:

- theoretical studies of the physicochemical features and the mechanism of formation of the structure and properties of the metal, ceramic, polymer, and other coatings

- experimental studies of the processes of formation of functional coatings with different properties

- study of the structure and properties of coatings

- The improvement of existing, and the development of new effective methods of coating.

---

### Guest Editors

Prof. Dr. Michael Zinigrad

Department of Chemical Engineering, Biotechnology and Materials, Materials Research Center, Ariel University, Ariel 40700, Israel

Dr. Alexey Kossenko

Department of Chemical Engineering and Biotechnology, Ariel University, Ariel 40700, Israel

---

### Deadline for manuscript submissions

closed (20 November 2022)



## Coatings

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.4



[mdpi.com/si/68224](https://mdpi.com/si/68224)

*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)