

# Special Issue

## Polyelectrolyte Multilayer Coatings

### Message from the Guest Editor

Recently, many attempts have been made to develop different types of coatings. In medicine, finding optimal antimicrobial and osteointegrative coatings is of special interest. Polyelectrolyte coatings are one of the most promising type of coatings to fulfil the desired properties for implantable devices, such as reduced bacterial adhesion and biofilm formation. A special but very important case of possible biomedical applications is the development of antibacterial polyelectrolyte multilayers. In examining these challenges, suitable topics for this Special Issue on “Polyelectrolyte Multilayer Coatings” include:

- Preparation of innovative Polyelectrolyte Multilayer Coatings;
- Characterization of coated surfaces;
- Development of antimicrobial surfaces;
- Development of new coatings for implants.

---

### Guest Editor

Prof. Dr. Klemen Bohinc

Faculty of Health Sciences, University of Ljubljana, 1000 Ljubljana, Slovenia

---

### Deadline for manuscript submissions

closed (31 July 2022)



## Coatings

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.4



[mdpi.com/si/47567](https://mdpi.com/si/47567)

*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)