

# Special Issue

## Low-Carbon-Footprint Coatings for a Sustainable Future

### Message from the Guest Editors

With the utmost importance of polymer sustainability in many industries, coatings are one of the most ubiquitous polymer products. Low-carbon-footprint circular economy coatings have reached an epitome regarding the demand by various coatings industries including decorative, industrial, protective, and automotive coating markets. Environmentally friendly routes are researched for coatings as a replacement for petroleum-based resources. The technologies to be explored in this Special Issue include biobased coatings, recycled materials coatings, UV-Cure, solvent-free, waterborne, powder, low bake coatings, etc., each with its challenges. It is hoped that this Special Issue will provide significant impetus to the sustainable coatings portfolio and be a guide for researchers in industry and academia alike. We invite potential authors who are versed in sustainable coatings to submit research papers and reviews on pertinent topics.

---

### Guest Editors

Dr. Jomin Thomas

Dr. Mojgan Nejad

Dr. Renuka Subhash Patil

---

### Deadline for manuscript submissions

closed (31 August 2024)



## Coatings

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 5.0



[mdpi.com/si/191126](https://mdpi.com/si/191126)

*Coatings*

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 2.9  
CiteScore 5.0



[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, CAPIus / SciFinder, and other databases.

#### Journal Rank:

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