

# Special Issue

## Anti-Icing Coatings and Surfaces

### Message from the Guest Editors

The strong adhesion of ice to almost all kinds of surfaces is an overwhelming problem in cold countries. Common examples include: scraping off ice from car windshields, skidding on icy roads, power outages due to icing on electrical cables and insulators, icing on aircraft wings and wind mills, *etc.* Although investigations around the world have been carried out for decades, so as to find a solution to this problem of ice adhesion, literature is relatively scarce in this field. This Special Issue provides a forum for the basic aspects, theories, and mechanisms of adhesion and surface science in general, and deals with applications in all areas of technology. Thus, the objective here is to offer to our readers a unique Special Issue exposing the state of the art regarding ice adhesion.

---

### Guest Editors

Prof. Dr. D. K. Sarkar

Department of Applied Sciences, Université du Québec à Chicoutimi, Pavillon principal, bureau P4-3280 555, boulevard de l'Université (Chicoutimi), Saguenay, QC G7H 2B1, Canada

Dr. N. Saleema

Department of Applied Sciences, Université du Québec à Chicoutimi, Pavillon principal, bureau P4-3280 555, boulevard de l'Université (Chicoutimi), Saguenay, QC G7H 2B1, Canada

---

### Deadline for manuscript submissions

closed (31 December 2020)



## Coatings

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.8  
CiteScore 5.4

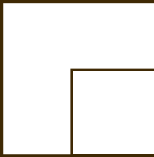


[mdpi.com/si/4337](https://mdpi.com/si/4337)

*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), Ei Compendex, CAPlus / SciFinder, and other databases.

#### Journal Rank:

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