

# Special Issue

## Tribology in Severe Conditions

### Message from the Guest Editor

Improving and increasing the performance of transport means are and will be the main objectives of tomorrow. This will lead to the design and development of new technical solutions associated with advanced materials that will allow us to go faster and further while considerably reducing our energy consumption and impact on the environment. Friction conditions will evolve towards the highest values of normal pressure, speed, and temperature. As a result, a significant amount of energy will be dissipated in the contact interface, while at the same time ensuring better wear resistance of the components. The objective of this Special Issue, entitled "Tribology under severe conditions", is to present recent results obtained on advanced materials, alloys, coatings, or surface treatments operating in severe environments subjected to a wide range of contact conditions. We look forward to receiving your contributions.

### Guest Editor

Prof. Dr. Sylvain Philippon  
Laboratoire LEM3, UMR CNRS 7239, Université de Metz., Metz, France

### Deadline for manuscript submissions

closed (31 December 2023)



## Coatings

an Open Access Journal  
by MDPI

Impact Factor 2.8  
CiteScore 5.4



[mdpi.com/si/119111](https://mdpi.com/si/119111)

*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)