

Special Issue

Tribological Coatings: Properties, Mechanisms, and Applications in Surface Engineering

Message from the Guest Editors

Tribological coating technology is changing rapidly to keep pace with advanced coatings materials and applications. Performance demands on all types of coatings materials are continuously increasing. The conventionally required coating characteristics are to protect against wear and corrosion, to minimize friction, and to extend the life of the product. In this Special Issue, original research articles and reviews are welcome. Research areas may include, but are not limited to, the following:

- Properties of tribological coatings;
- Influence of surface treatment on its degradation mechanisms;
- New and combined surface treatment methods;
- Experimental and processing high-performance coatings with exposure to wear on high temperatures, high stress, and other extreme environment applications;
- Coating characterizations research;
- Modeling methods for predicting of deposition or wear of coatings;
- Recent developments in duplex, multi-functional, and hybrid tribological coatings.

We look forward to receiving your contributions.

Guest Editors

Prof. Dr. Suzana Jakovljević

Department of Materials, Faculty of Mechanical Engineering and Naval Architecture, Ivana Lucica Street, No. 5, University of Zagreb, 10000 Zagreb, Croatia

Prof. Dr. Darko Landek

Department of Materials, Faculty of Mechanical Engineering and Naval Architecture, Ivana Lucica Street, No. 5, University of Zagreb, 10000 Zagreb, Croatia

Deadline for manuscript submissions

closed (15 April 2024)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 6.1



mdpi.com/si/108277

Coatings
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
coatings@mdpi.com

[mdpi.com/journal/
coatings](https://mdpi.com/journal/coatings)





Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 6.1



[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)