

Special Issue

Recent Advancement in Surface Modification of Metallic and Composite Materials

Message from the Guest Editors

Recent theoretical and experimental developments in surface modifications are among the most highly exploited research systems in the fields of tribology, corrosion, surface science and engineering. Driven by the current state of knowledge regarding surface modification, the need to develop new materials and surface-modified technologies towards the durability of new surface treatments and modifications, have seen a huge demand on experimental, theoretical and modeling activities.

The scope of this Special Issue will cover, but not be limited to, the following:

Tribology, corrosion, as well as protective and preventive surface coating mechanisms;
Recent developments in multi-functional organic, inorganic and hybrid coatings;
Coatings produced by different processes;
Experimental and processing high-performance surface treatments and coatings;
The latest developments of test methods;
Computer modeling and simulation.

Guest Editors

Dr. Qunfeng Zeng

Dr. Wengang Chen

Dr. Lili Zhu

Deadline for manuscript submissions

closed (15 October 2022)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/112484

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 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)