

Special Issue

Multifunctional Coatings and Lubrication

Message from the Guest Editors

This Special Issue on “Multifunctional Coatings and Lubrication” aims to present the latest findings and to promote further research in the areas of multifunctional coatings integrated with two or more functionalities, and their application in lubrication is highly preferred. This Special Issue includes experimental characterization and theoretical calculations of multifunctional coatings. Full papers, review articles, and communications are all welcome. In particular, the topic of interest includes but is not limited to

- Wear-resistant coatings;
- Lubrication coatings;
- Erosion-resistant or corrosion-resistant coatings;
- Oxidation-resistant coatings;
- Thermal barrier coatings;
- Flame-retardant coatings;
- Stealth coatings;
- Electromagnetism shield coatings;
- Anti-reflection coatings;
- Hydrophobic/hydrophilic coatings;
- Anti-icing coatings;
- Self-cleaning coatings;
- Self-healing coatings.

Guest Editors

Prof. Dr. Jianxi Liu

State Key Laboratory of Solidification Processing, Center of Advanced Lubrication and Seal Materials, School of Materials Science and Engineering, Northwestern Polytechnical University, Xi'an, China

Dr. Qiangliang Yu

State Key Laboratory of Solid Lubrication, Lanzhou Institute of Chemical Physics, Chinese Academy of Sciences, Lanzhou 730000, China

Deadline for manuscript submissions

closed (31 October 2023)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/88112

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

Journal Rank:

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