

Special Issue

Tribological and Corrosion Characterisation in Advanced Materials and Coatings

Message from the Guest Editor

Tribology and corrosion are critical fields in materials science, impacting the longevity and performance of engineering components in various industries. In this Special Issue, original research articles and reviews are welcome. Research areas may include (but are not limited to) the following:

- Novel materials and coatings for improved tribological performance;
- Corrosion-resistant materials and coatings;
- Advanced characterization techniques for tribology and corrosion;
- Mechanisms of wear and corrosion in advanced materials;
- Tribological and corrosion behavior of nanomaterials and composites;
- Surface engineering and modification techniques;
- Environmental effects on tribological and corrosion properties;
- Computational modeling and simulation of tribological and corrosion processes;
- Case studies and industrial applications of tribological and corrosion research.

We look forward to receiving your contributions.

Guest Editor

Prof. Dr. Gai Zhao

State Key Laboratory of Mechanics and Control of Aerospace Structures, Nanjing University of Aeronautics and Astronautics, Nanjing 210016, China

Deadline for manuscript submissions

closed (20 March 2025)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/209557

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)