

Special Issue

Corrosion/Wear Mechanisms and Protective Methods

Message from the Guest Editor

During the utilization of materials, their service life is often reduced due to factors such as oxidation, wear, corrosion, and erosion in different service environments. Corrosion and wear pose significant challenges across a wide range of industries, including manufacturing, metallurgy, marine engineering, aerospace, energy, automotive engineering, and more. This Special Issue aims to provide an inclusive platform for academia to share their innovative approaches, theoretical insights, and experimental findings in the areas of corrosion, wear, erosion and wear corrosion protection. We welcome original research papers from scholars and researchers spanning various disciplines relevant to corrosion and wear mechanisms. Research areas of interest include, but are not limited to:

- Analysis of corrosion and wear mechanisms
- Techniques for assessing corrosion and wear
- Monitoring and control strategies for corrosion and wear
- Protective coatings for corrosion and wear resistance
- Surface treatments aimed at enhancing material protection
- Exploration of novel protective materials and coatings

Guest Editor

Dr. Hejie Yang

School of Material Science and Engineering, Xi'an Jiao Tong University, Xi'an, China

Deadline for manuscript submissions

closed (25 December 2024)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/183061

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)