

Special Issue

Microstructure and Corrosion Behavior of Metallic Materials

Message from the Guest Editor

This Special Issue, "Microstructure and Corrosion Behavior of Metallic Materials", enables the publication of theoretical and experimental studies in corrosion science and engineering for metallic materials. Appropriate submissions include studies that investigate the scientific and/or engineering factors that affect the metallurgy, processing, microstructure, properties, and applications of metallic materials and reports that contribute to the body of knowledge by documenting corrosion science and engineering research. This Special Issue covers all aspects of metallic materials and their manufacture, including rare earth element, raw materials, alloy casting, extrusion and deformation, surface treatment, joining and machining, simulation and modeling, microstructure evolution, and corrosion properties.

Guest Editor

Dr. Dongdong Song

Key Laboratory of Energy Transfer and System of Power Station of Ministry of Education, North China Electric Power University, Beijing 102206, China

Deadline for manuscript submissions

closed (31 May 2025)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 6.1



mdpi.com/si/186067

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)