

Special Issue

Corrosion and Coatings: Advances in Protection and Degradation Studies

Message from the Guest Editor

This Special Issue is of paramount importance in the field of materials science and corrosion engineering. This subject, which encompasses both the study of coating corrosion and their degradation mechanisms, as well as the development and application of coatings to minimize corrosion, addresses major economic and technological challenges. Indeed, corrosion is a global problem that costs billions of dollars annually to industry and jeopardizes infrastructure safety. In a context where material durability and efficiency are crucial, understanding and mastering corrosion processes and developing innovative protective coatings are essential to extend equipment lifespan, reduce maintenance costs, and improve system reliability across various sectors such as aerospace, automotive, construction, and energy. This theme, which reflects current research interests and expertise in the field, also offers the opportunity to explore a wide range of contributions from different areas of corrosion science and coating technology, thus fostering interdisciplinarity and innovation in this critical area of material research.

Guest Editor

Dr. Florence Lequien

CEA, Service de Recherche en Corrosion et Comportement des Matériaux, Université Paris-Saclay, 91191 Gif-sur-Yvette, France

Deadline for manuscript submissions

31 October 2025



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/228176

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)