

Special Issue

Trends in Coatings and Surface Technology, 2nd Edition

Message from the Guest Editor

Surface modification provides solutions to practical issues pertinent to tackling significant social difficulties. To name several of the trendiest uses, coatings are crucial for implementing biocompatible technologies, creating systems for sustainable energy generation, and cleaning up pollutants. This new Special Issue of *Coatings* will include full papers, review articles, and communications from some of the most renowned researchers in the field with the aim of spotlighting some of the most fascinating challenges in coatings science and technology. Potential topics include, but are not limited to, the following topics:

- Antimicrobial coatings;
- CO2 capture technologies;
- Batteries development;
- Sensors development;
- Protective coatings;
- Functional coatings;
- Hard coatings;
- Coating methods and technologies;
- Super-hydrophobic and self-cleaning coatings;
- Any other aspects of deposition/characterization of coatings and thin films.

Guest Editor

Dr. Fábio Ferreira

Centre for Mechanical Engineering, Materials and Processes,
Department of Mechanical Engineering, University of Coimbra, Rua Luis
Reis Santos, 3030-788 Coimbra, Portugal

Deadline for manuscript submissions

closed (10 May 2025)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/191477

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)