

Special Issue

Functional Films/Coatings Processing Technologies: Deposition and Process

Message from the Guest Editor

The aim of this Special Issue is to publish high-quality research papers and review papers that address current and future advancements in the preparation and characterization of functional films/coatings for applications in diverse fields of engineering applications (e.g., aerospace, electronics, ships, and building), optoelectronic and photonic applications, supercapacitor potential applications, and other industries. Original research and reviews that have not yet been published or that are not currently under review by other journals are invited to be submitted. In particular, the topics of interest include but are not limited to:

- Novel processing technologies;
- Films/coatings for obtaining special functions;
- Coatings for extreme environmental conditions (e.g., for high/low temperatures or aggressive environments);
- Structure-property relationships;
- Advances in synthesis and preparation;
- Novel strategies of self-healing corrosion protection systems;
- Corrosion protection mechanisms through passive films/coatings.
- Any other aspects of functional films/coatings.

Guest Editor

Dr. Simona Căprărescu

Department of Inorganic Chemistry, Physical Chemistry and Electrochemistry, Faculty of Chemical Engineering and Biotechnologies, National University of Science and Technology Politehnica Bucharest, Bucharest, Romania

Deadline for manuscript submissions

closed (20 December 2024)



Coatings

an Open Access Journal
by MDPI

Impact Factor 2.8
CiteScore 5.4



mdpi.com/si/122085

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)