

## Special Issue

# Electrochemical Properties and Applications of Thin Films

### Message from the Guest Editor

With the development of electrochemical technology, the preparation processes and applications of thin films have developed rapidly. The wear resistance and corrosion resistance of thin films are closely related to their microstructures. This Special Issue aims to explore optimal thin films that are appropriate for use in anticorrosive and tribological applications in the natural environment, including thin films synthesis, thin films deposition, predicting/modeling thin films with special corrosion resistance, structural analysis, characterization, corrosion and frictional behavior investigations, applications of thin films, etc. Full papers, review articles, and communications are all welcome. In particular, the topics of interest include, but are not limited to

- obtaining of thin films (TFs) and characterization;
- applications of TFs;
- electrochemical properties properties and microstructure of TFs;
- predicting/modeling TF with special corrosion resistance.

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### Guest Editor

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### Deadline for manuscript submissions

15 December 2025



## Coatings

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## 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.

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### Editors-in-Chief

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