

## Special Issue

# Characterization and Industrial Applications of PVD Coatings

### Message from the Guest Editors

Physical Vapor Deposition (PVD) coatings are characterized by excellent properties, such as high wear resistance, superior mechanical strength, chemical stability, and suitability for large-scale industrial production. The deposition parameters play a crucial role in determining the microstructure of the coatings and, consequently, their performance. The design of coatings for industrial applications primarily depends on their characterization at the experimental scale. This Special Issue welcomes original research articles and reviews. Research areas may include (but are not limited to) the following:

- Characterization techniques for PVD coatings;
- Industrial applications of PVD coatings;
- Optical properties;
- Corrosion, wear, mechanical, and electrical properties for PVD coatings.

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### Guest Editors

Prof. Dr. F.C. Silva

Prof. Dr. Luis Cesar Fontana

Dr. Mengying Wang

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### Deadline for manuscript submissions

30 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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