

Advances in Novel Coatings

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Message from the Guest Editor

This special issue aims to present the latest news and to promote additional research in the fields of coatings. All original papers, case studies, review articles, and communications are all welcome.

The topic of interest includes but is not limited to

Deadline for manuscript
submissions:

closed (30 April 2025)

- Fundamentals and new concepts of a coating technologies
- Modelling and simulation of processes for obtaining coatings
- Relations between process parameters and deposit properties
- Theoretical and experimental studies on coating-substrate interface
- The effect of the coatings on the properties of the substrate
- New directions in the design and production of different coatings
- New coatings used to control and minimize the friction phenomenon
- Tribological coatings used for extreme operating conditions
- Study of the phenomena of friction and wear of tribological deposits
- Single and multilayer thin films with special properties
- Biomaterials coatings
- Functional coatings obtained by different deposition processes
- The behavior of operation of the functional coatings obtained by various new deposition techniques



mdpi.com/si/91802

Special Issue



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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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