

Special Issue

Tribological Coatings: Properties, Mechanisms, and Applications in Surface Engineering

Message from the Guest Editors

Tribological coating technology is changing rapidly to keep pace with advanced coatings materials and applications. Performance demands on all types of coatings materials are continuously increasing. The conventionally required coating characteristics are to protect against wear and corrosion, to minimize friction, and to extend the life of the product. In this Special Issue, original research articles and reviews are welcome. Research areas may include, but are not limited to, the following:

- Properties of tribological coatings;
- Influence of surface treatment on its degradation mechanisms;
- New and combined surface treatment methods;
- Experimental and processing high-performance coatings with exposure to wear on high temperatures, high stress, and other extreme environment applications;
- Coating characterizations research;
- Modeling methods for predicting of deposition or wear of coatings;
- Recent developments in duplex, multi-functional, and hybrid tribological coatings.

We look forward to receiving your contributions.

Guest Editors

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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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