

Special Issue

Friction, Wear Properties and Applications of Coatings

Message from the Guest Editors

We would like to invite you to submit your research work to our Special Issue “Friction, Wear Properties, and Applications of Coatings”. As we all know, friction and wear are a common form of material failure, and improving the wear resistance of materials can increase their service life. In recent years, the development of coating technology has made it an economical and practical way to improve the friction and wear properties of materials. In particular, topics of this Special Issue include but are not limited to the following:

- Advanced characterization methods for analyzing coating structure and performance;
- Technology to reduce coating defects;
- Adjusting the friction coefficient and wear volume of the coatings;
- Wear-resistant coatings used in special fields such as aerospace, nuclear reactors, military, etc.;
- Optimize preparation parameters from the perspective of improving friction and wear performance;
- Use of non-destructive techniques in situ for deposition process monitoring and optimization;
- Mechanism analysis of friction and wear performance.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2022)



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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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