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Intelligent Tribological and Functional Coatings

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Deadline for manuscript submissions:
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Message from the Guest Editors

The Special Issue "Intelligent Tribological and Functional Coatings" will provide a platform for researchers, practitioners, and academics to present and discuss ideas, challenges, and potential solutions on established or emerging topics related to research and practice in the field of engineering tribology toward achieving high speed, high precision, energy conservation, sustainable use, and advanced design in industrial tribology, in addition to issues related to application.

1. Basic friction and wear; 2. Lubricants and lubrication;
3. Contact mechanics and adhesion;
4. Surface engineering and coating;
5. Material analysis and examination;
6. Tribology in machine elements;
7. Tribochemistry and tribocorrosion; 8. Biotribology;
9. Green tribology and sustainability;
10. Micro- and nanotribology; 11. Manufacturing technology;
12. Tribotronics and active tribology;
13. Dynamic and vibration engineering;
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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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