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Advances in Surface Engineering and Tribology

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Deadline for manuscript submissions:
closed (31 December 2023)

Message from the Guest Editors

An improved understanding of surface engineering can lead to the development of surface treatments and coatings that significantly improve the performance of a given tribological system when used in conjunction with other surface engineering techniques. Because of tribological phenomena, it is possible to significantly reduce the environmental and industrial impact of energy consumption while also extending the lifetime of components that interact with one another. Developing new systems with lower friction coefficients, lower wear rates, improved corrosion resistance, and a variety of multifunctional properties is necessary to meet the environmental and process requirements discussed above. Specifically, this Special Issue aims to highlight the most significant research trends and the state-of-the-art knowledge in surface engineering and tribology, based on information compiled from a variety of experts and researchers in these fields, with a particular emphasis on the interconnection between these two fields. All interested researchers are welcome to submit their work to this Special Issue.

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Message from the Editor-in-Chief

Friction, wear, and lubrication are tribological phenomena that govern the behavior of interacting surfaces in a wide range of machine components. Understanding the physical and chemical nature of these phenomena is critical to achieving long component lifetime and economical operation. Research in the field of tribology is highly interdisciplinary, and encompasses the fields of physics, chemistry, engineering, and mathematical modeling. *Lubricants* invites contributions on new advances in all areas of tribology for publication as peer-reviewed research articles, reviews of current research, letters, and communications. We are committed to providing timely reviews of all articles submitted. Please consider sharing your work with the scientific community through publication in *Lubricants*.

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