Special Issue

Advances in Wear Predictive Models

Message from the Guest Editors

We would like to invite you to contribute to the Special Issue of *Lubricants* entitled “Advances in Wear Predictive Models”. As you know, the development of effective advanced wear models is gaining interest in many different fields, from automotive to biomedical applications. Predictive models could help to assess the reliability of a product in its actual life-cycle conditions, estimate the on-going damage process, and improve the product design with respect to wear failures. Thus, wear simulations can be a powerful tool, but they still have limits, due to their computational cost and due to the reliability of the wear law, with respect to the real phenomenon, which is typically very complex. We would like to include, in this Special Issue, a cutting-edge collection of papers in this research field, covering a wide range of wear models for different applications, materials and working conditions. We appreciate your consideration and sincerely hope that you will accept our invitation to contribute to this Special Issue. We look forward to hearing from you soon.

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2023)

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About the Journal

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.*

Editor-in-Chief

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