Special Issue

Advances in Green Eco-friendly Lubricants

Message from the Guest Editor

Use of lubricants is one of the main ways to reduce friction and wear in many man-run processes. Today, dwindling petroleum-based lubricants are still the dominant lubricants materials. Because of this, they are also some of the main contributors of the hazardous footprints on the earth. The impacts will continue to increase and become irreversible if nothing is done. In response, one of the current directions of tribology research is to develop green renewable biodegradable lubricants (i.e. aqueous and plant-based oils). This Special Issue aims to present advances and future trends/directions of aqueous (water-based) and plant-oil-based lubricants research addressing knowledge gaps and the practical limitations.

Guest Editor

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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.*

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