

Special Issue

Tribological Properties of Soft Materials

Message from the Guest Editors

This Special Issue aims at presenting *Original Research Articles* and *Reviews* on the *Tribological Properties of Soft Materials*. Soft materials, including different kinds of liquids, liquid dispersions, gels and greases, have found extensive tribological applications in the past decades. By generating a complicated interfacial “tribofilm” capable of providing either physical or tribochemical lubrication, soft materials can effectively reduce the friction and abrasion between the two contacting surfaces to a satisfactory level. Although a number of significant research advances concerning the tribological behavior of soft materials have been achieved, the design and preparation of high-performance and eco-friendly liquid and semi-solid lubricants, the homogenous mixture and dispersion of various additives in liquids and gels, the formation and composition of resultant tribofilms, the tribochemical mechanism of “soft” lubricants, and the in-time or in-space lubrication control

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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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