Special Issue

Applied Nanotribology, 3rd Edition

Message from the Guest Editors

Tribological issues exist in almost all machines and mechanical systems with moving parts, and are one of the major causes of energy consumption and material loss. With the development of automation technology, such issues have become more critical and significantly augmented economic expenditure. Nanotribology is a branch of tribology that studies adhesion, friction, wear and lubrication phenomena viewed at the scale of atoms and molecules. Although macroscale tribological interfaces can be simplified as multiple-asperities contact at nanoscale, the problems faced in nanotribology are unique due to the extremely high surface-to-volume ratio of nanoscale components.

Guest Editors

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Deadline for manuscript submissions

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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.*

Editor-in-Chief

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