Special Issue

Friction and Wear Properties of Composite Coatings in Air and Water

Message from the Guest Editors

Lubricant oil has been widely used in various driving systems, but its source, petroleum, is non-renewable. Moreover, the leakage and burning of lubricating oil undoubtedly pollute the natural environment and pose a potential hazard to human health. Thus, developing environmentally friendly tribology in air and water has become a priority. However, its successful application is subject to two major disadvantages: poor lubrication and strong oxidation. Therefore, developing novel coating materials with good tribological properties in air and water is paramount. The Special Issue entitled "Tribological Properties of Composite Coatings in Air and Water" aims to present recent research on composite coatings' friction and wear properties with improved lubricating properties in air and water-based environments. The composite coatings could be organic, inorganic, monolayer, or multilayer deposited by various methods. Some of its focal points include, but are not limited to, the following:

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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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