Special Issue

Preparation, Tribological Behavior, and Applications of Lubricant Additives

Message from the Guest Editor

The scientific research, design development and engineering applications of lubricating materials are important to ensure the long life and highly reliable operation of mechanical equipment. Lubricating additives are the essence of lubricating oil, and the comprehensive performance and service characteristics of such oil largely depend on the development of additive technology. The design and preparation of new lubricating additives, the study of tribological properties and mechanisms, and the application of lubricating oil in different domains are the future development direction in this field. The purpose of this Special issue is to discuss the design and preparation of lubricating additives, tribological properties, and mechanism research, as well as the application of lubricants in different fields and other new developments. It covers material, mechanical, and chemical interactions. Both experimental and theoretical research are welcome.

Guest Editor

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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.*

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