Special Issue

Advanced Industrial Lubricants and Future Development Trends of Tribo-Systems for Tribological Performance Evaluation

Message from the Guest Editors

For this Special Issue, we invite high-quality papers that focus on, but are not limited to, the following topics:

- Development of tribo-System for evaluation of industrial lubricant and advanced tribological material performance.
- Tribochemistry for understanding tribological characteristics of industrial lubricants in their engineering applications.
- Evaluation of advanced automotive lubricants or driveline fluids in hybrid electrified components using advanced tribo-systems for simulation.
- Characterizing the industrial lubrication/tribological environments (such as shear, temperatures, loads, contaminants, etc.) operating in extreme environmental conditions.
- Tribochemistry for understanding tribological characteristics of automotive lubricants in their advanced engineering applications.
- Bench test evaluation and interpretation of the performance of automotive lubricant and thermal management systems.
- Analysis of friction and wear performance in advanced powertrain or hybrid driveline electrification components.
- Surface chemistry and mechanisms in industrial tribological systems.
- Bench test evaluation and interpretation of industrial lubricant performance.

Guest Editors

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Deadline for manuscript submissions

closed (30 November 2022)

Lubricants

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Impact Factor 2.9
CiteScore 4.5

mdpi.com/si/62033

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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.*

Editor-in-Chief

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