



Comprehensive Progress in Mixed Lubrication

Guest Editor:

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Message from the Guest Editor

With the continuous efforts of tribologists all over the world, there is significant progress in mixed lubrication in theoretical, experimental, and practical areas. This Special Issue is intended to bring together the latest achievements and present readers with a comprehensive knowledge base. Manuscripts on the following example topics, but not limited to, are welcome:

Deadline for manuscript
submissions:
closed (31 August 2024)

- Experimental study to measure film thickness of mixed lubrication or of boundary film;
- Experimental investigation about micro- or nano-scale systems;
- Development of lubricants, surface texturing, or materials to better endure mixed lubrication;
- Deterministic or scholastic modeling of lubricant flows/film distributions considering micrometer or nanometer features;
- Molecular dynamic simulations to understand interactions occurring over surfaces;
- Innovative applications of new technologies such as deep learning/neural network;
- Case studies based on components' endurance in mixed lubrication from validation testing or field;
- Studies of failure mechanism under mixed lubrication conditions.





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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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