

# Special Issue

## Additives for Lubricating Oil and Grease: Mechanism, Properties and Applications

### Message from the Guest Editor

Lubricating oil and grease serve as essential components that reduce friction, wear and prolong the life of moving mechanical parts. The effectiveness of the formulation of the lubricant and grease is easily impacted by various factors, such as temperature, pressure, and heavy loads. To enhance the performance of lubricants and grease, researchers have introduced diverse additives that enhance wear resistance, thermal stability, and the service life of mechanical components. The escalating demand for additives for lubricating oil and grease has continued to grow alongside the advancement in technological applications. ... This Special Issue hopes to attract both academic and industrial researchers, promoting innovation in the application of lubricating oil and grease additives, fostering new ideas for future research and expanding knowledge in this field.

### Guest Editor

Prof. Dr. Jingbin Han

State Key Laboratory of Chemical Resource Engineering, Beijing  
University of Chemical Technology, Beijing 100029, China

### Deadline for manuscript submissions

closed (30 April 2024)



## Lubricants

an Open Access Journal  
by MDPI

Impact Factor 2.9  
CiteScore 4.5



[mdpi.com/si/169794](https://mdpi.com/si/169794)

*Lubricants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[lubricants@mdpi.com](mailto:lubricants@mdpi.com)

[mdpi.com/journal/  
lubricants](https://mdpi.com/journal/lubricants)





# Lubricants

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 4.5



[mdpi.com/journal/  
lubricants](https://mdpi.com/journal/lubricants)



## 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

Prof. Dr. Homer Rahnejat  
School of Engineering, University of Lancashire, Preston PR1 2HE, UK

---

### Author Benefits

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPlus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Mechanical) / CiteScore - Q2 (Mechanical Engineering)

#### Rapid Publication:

manuscripts are peer-reviewed and a first decision is provided to authors approximately 14.8 days after submission; acceptance to publication is undertaken in 1.9 days (median values for papers published in this journal in the first half of 2025).