

# Special Issue

## Minimum Quantity Lubrication (MQL): Advances, Applications, and Future Perspectives

### Message from the Guest Editors

Minimum quantity lubrication (MQL) has been widely used during cutting of various materials. Nevertheless, according to recent reports, MQL significantly improves the working environment, reduces pollution to the natural environment, and represents an efficient and low-carbon machining technology that aligns with the principles of clean production.

### Guest Editors

Prof. Dr. Songmei Yuan

School of Mechanical Engineering and Automation, Beihang University, Beijing 100191, China

Prof. Dr. Lutao Yan

School of Intelligent Engineering and Automation, Beijing University of Posts and Telecommunications, Beijing 100876, China

### Deadline for manuscript submissions

30 November 2026



## Lubricants

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 4.5



[mdpi.com/si/240981](https://mdpi.com/si/240981)

*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 15.6 days after submission; acceptance to publication is undertaken in 2.5 days (median values for papers published in this journal in the second half of 2025).