

Special Issue

Tribological Characteristics of Bearing System, 3rd Edition

Message from the Guest Editor

After the successful publication of the first and second editions of the Special Issue "Tribological Characteristics of Bearing System", we are excited to announce that the third edition is now open for submissions. Bearings are widely used in automobile transmission, rail transit, and aerospace and equipment manufacturing. They are the key mechanical components for bearing and transmitting motion. Under severe conditions, such as large load, high speeds, and wide temperature ranges, the study of bearing friction and wear characteristics and the fatigue damage mechanism is significant for promoting the high reliability, durability, and long life of bearings. With advanced intelligent manufacturing technologies, such as bearing material alloy optimization, heat treatment process optimization, deformation prediction, surface modification and intelligent simulation, new technical support and development ideas can be provided for bearing systems.

Guest Editor

Prof. Dr. Yong Chen

1. School of Mechanical Engineering, Guangxi University, Nanning, China
2. New Energy Vehicle Research Center, Guangxi University, Nanning, China

Deadline for manuscript submissions

closed (31 December 2025)



Lubricants

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6



mdpi.com/si/223984

Lubricants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
lubricants@mdpi.com

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





Lubricants

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 5.6



[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).