

Special Issue

Fundamentals and Applications of Triboelectrification

Message from the Guest Editors

This Special Issue aims to consolidate the latest advances in triboelectrification and TENGs, covering fundamental mechanisms, material design, device engineering, and diverse applications. By uniting perspectives from the fields of materials science, tribology, electronics, and energy research, this Issue presents a comprehensive overview of current developments in this rapidly evolving field and identifies key directions for future research.

Guest Editors

Dr. Bo Zhao

School of Ocean Engineering and Technology, Sun Yat-sen University, Zhuhai 519000, China

Prof. Dr. Yong Ma

School of Ocean Engineering and Technology, Sun Yat-Sen University, Zhuhai 519000, China

Deadline for manuscript submissions

31 December 2026



Lubricants

an Open Access Journal
by MDPI

Impact Factor 3.6
CiteScore 5.6



mdpi.com/si/258505

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 3.6
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 13 days after submission; acceptance to publication is undertaken in 2.6 days (median values for papers published in this journal in the first half of 2026).