

Special Issue

Fundamentals and Applications of Tribocorrosion

Message from the Guest Editor

Tribocorrosion is a common degradation phenomenon in industry. In the last decade, a great effort has been made to expand our knowledge of tribocorrosion mechanisms, as well as their inhibition or minimization through the use of coatings. The scope of this Special Issue will serve as a forum for papers in the following areas:

- The latest developments in test methods, considering the interplay between mechanical, chemical, and electrochemical interactions for the assessment of tribocorrosion;
- Understanding the tribocorrosion mechanisms of metallic alloys and coatings;
- Theoretical and experimental research, knowledge, and new ideas in the field of protective coatings and surface treatments for protection against tribocorrosion;
- Computer modelling and simulation to predict the performances of materials and/or protective coatings under tribocorrosion working conditions.

Guest Editor

Dr. Ainara López-Ortega
Fundación Tekniker, Eibar, Spain

Deadline for manuscript submissions

closed (31 May 2025)



Lubricants

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 4.5



mdpi.com/si/205428

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 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 Central Lancashire, Preston PR1
2HE, UK

Author Benefits

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, CAPIus / 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).