

Special Issue

Tribology in Mobility, Volume II

Message from the Guest Editors

Mobility has continuously evolved to meet the demands of a society in continuous change, ranging from the transportation of an increasing number of people and goods around the globe, to the urgent need to reduce their impact on the environment. These demands have incentivized the development and improvement of technologies for more efficient mobility applied to all transport sectors, including road, rail, marine, and aircraft. In this regard, the research conducted on tribology has demonstrated to be crucial for the appropriate performance, maintenance, and increase in efficiency of these vehicles; wherever things are moving, lubrication, friction, and wear phenomena exist. With this in mind, this second part of the Special Issue Tribology in Mobility looks forward to state-of-the-art contributions in a wide range of applications covering different aspect of tribology in mobility; from investigations on lubricated machine elements in combustion engines and hybrid powertrain technologies, to condition-based maintenance, oil and wear analysis and many more interesting topics.

Guest Editors

Dr. Hannes Allmaier

Virtual Vehicle Competence Center, Inffeldgasse 25, 8010 Graz, Austria

Dr. Sophia Bastidas

1. CMT-Motores Térmicos, Universitat Politècnica de València, Camino de Vera s/n, 46022 Valencia, Spain

2. Virtual Vehicle Research Center, Inffeldgasse 21a, 8010 Graz, Austria

Deadline for manuscript submissions

closed (31 July 2023)



Lubricants

an Open Access Journal
by MDPI

Impact Factor 2.9
CiteScore 4.5



mdpi.com/si/145862

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 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).