Special Issue

Tribological Study in Machining Processes

Message from the Guest Editor

This Special Issue on “Tribological Study in Machining Processes” can be the perfect opportunity for researchers working in theoretical and experimental fields to update their research on the behavior of tribological parameters in modern macro, mini and nano machining processes and on the application of new macro, mini and nano fluids and lubrications. The potential topics include the following:

- Theoretical and experimental investigations of tribological properties and behavior in macro, mini and nano machining;
- Modeling and optimization of tool wear in different types of macro, mini and nano machining;
- MQL and NFMQL efficiency in different types of machining;
- Modeling and optimization of MQL in different types of macro, mini and nano machining;
- Development and research of the application of new means for cooling and lubrication in macro, mini and nano machining processes;
- Research and development of micro and nano coolants and lubricants;
- Research on ecological aspects of the application of means for cooling and lubrication in different types of macro, mini and nano machining processes.

Guest Editor

Prof. Dr. Predrag Dašić

Engineering Academy of Serbia, 11000 Belgrade, Serbia

Deadline for manuscript submissions

closed (30 June 2025)

Lubricants

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 4.5

mdpi.com/si/213279

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

mdpi.com/journal/lubricants

Lubricants

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 4.5

mdpi.com/journal/lubricants

MDPI

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, 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 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).