Special Issue

Tribology of Metals and Alloys

Message from the Guest Editor

We cordially invite you to submit your new publication on the analysis of the mechanism of friction and wear (fretting and sliding wear) of metals and alloys in the transition points from mild to severe wear during dry friction and the lubricant conditions including galling and seizure. We also expect interesting publications on the interrelation between the parameters of contact mechanics and the variation of the deformed structure. The effect of precipitation and phase transformation in metal and alloys on friction and wear is an important part of our future discussions. Special attention will also be devoted to the lubricant mechanisms in relation to the parameters of contact mechanics and microstructural variations in surface layers. The effect of the microstructure of metals and alloys on the contact conditions, friction, and wear parameters will be considered. In addition, the application of new lubricants and new coatings to improve the friction and wear properties of metals and alloys under conditions close to engineering conditions can also be a part of the presented works. New models for the prediction of friction and wear of metals and alloys would be appreciated.

Guest Editor

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Deadline for manuscript submissions

28 February 2026

Lubricants

an Open Access Journal by MDPI

Impact Factor 2.9
CiteScore 4.5

mdpi.com/si/189787

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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.*

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