

# Special Issue

## Tribological Analysis of Dental Composite Materials

### Message from the Guest Editors

The aim of this Special Issue is to explore and enhance the quality of the tribology behaviour of dental composite materials. General properties such as mechanical, physical, and thermal aspects, biocompatibility, etc., have been discussed in many articles. However, tribology/wear analysis has seldom been conducted. This Special Issue offers information about the fabrication of dental composite materials and characterizations. It also provides filler information with respect to size, shape, and amount during mixing with a dental resin matrix. The intention of this Special Issue is to describe the classification of tribology analysis, friction analysis, the behaviour of loads during chewing, the surface deterioration of teeth, etc. Both novel review and research articles of a high quality are welcome.

---

### Guest Editors

Dr. Andrei Cristian Ionescu

Department of Biomedical, Surgical and Dental Sciences, University of Milan, Via Pascal 36, 20133 Milan, Italy

Dr. Ramkumar Yadav

Department of Biomedical, Surgical and Dental Sciences, University of Milan, Via Pascal 36, 20133 Milan, Italy

---

### Deadline for manuscript submissions

closed (20 August 2025)



## Lubricants

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.9  
CiteScore 4.5



[mdpi.com/si/224913](https://mdpi.com/si/224913)

*Lubricants*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[lubricants@mdpi.com](mailto: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).