



New Challenges in Tribology of Space Mechanisms

Guest Editor:

Dr. Guillaume Colas

Institut Femto-st, CNRS UMR
6174, Department of Applied
Mechanics, 24 rue de l'Épitaphe,
25030 Besançon, France

Deadline for manuscript
submissions:

closed (1 February 2024)

Message from the Guest Editor

Dear Colleagues,

This Special Issue aims to promote the current advances and future trends in the field of space tribology. Mechanisms are not limited to satellites or rovers. It covers launchers, landers, future moon and Mars base stations, etc. Papers dealing with the fundamental applications of lubricants to meet the challenge of lubricating space mechanisms are welcome. Lubricants that are of interest in this Special Issue include, but are not limited to, solids lubricants (bulk, coatings, composites), fluid lubricants, and greases. Theoretical and experimental studies are also of interest. Researchers working in space tribology and related fields are invited to submit their paper. Both academic and industrial contributions are welcome.





an Open Access Journal by MDPI

Editor-in-Chief

Prof. Dr. Homer Rahnejat

School of Engineering, University
of Lancashire, Preston PR1 2HE,
UK

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*.

Author Benefits

Open Access: free for readers, with article processing charges (APC) paid by authors or their institutions.

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)

Contact Us

Lubricants Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

Tel: +41 61 683 77 34
www.mdpi.com

mdpi.com/journal/lubricants
lubricants@mdpi.com
X@Lubricants_MDPI