Special Issue

Space Tribology

Message from the Guest Editors

This Special Issue, entitled "Space Tribology", focuses on the key problems of friction, wear, and lubrication for tribo-pairs in space environments. [...]. Articles within this Special Issue aim to explore cutting-edge developments in materials science, including the design and application of low-friction coatings, advanced lubricants, and durable materials capable of withstanding harsh space conditions. Moreover, this Special Issue aims to encompasses research focused on novel lubrication strategies and tribological testing methodologies conducted in space simulators to simulate and analyze real-world scenarios encountered during space missions. Case studies featured in this Special Issue highlight practical challenges and solutions related to tribological issues in space exploration, providing valuable insights for engineers, researchers, and space agencies aiming to enhance the reliability, efficiency, and longevity of space technologies. Ultimately, this Special Issue aims to serve as a comprehensive repository of knowledge aimed at advancing the understanding and application of tribology in space exploration contexts.

Guest Editors

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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.*

Editor-in-Chief

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