Special Issue

Mechanical Tribology and Surface Technology

Message from the Guest Editor

As a critical industrial technologies, mechanical friction and surface technologies have been widely applied in many fields. They not only have a significant impact on the performance and quality of materials but also have profound effects on the environment and ecology. Therefore, this Special Issue will focus on the latest research results regarding the cutting-edge technologies in these fields, providing insights to readers and promoting the progress of industrial technology. This Special Issue will focus on three primary research topics, namely, lubrication and sealing technology, tribology research, and surface technology, all of which include the consideration of lubrication mechanisms, lubrication cavities, sealing mechanisms, lubrication performance evaluation, sealing performance evaluation, friction failure, friction wear, friction pair optimization design, friction testing, contact modeling, surface micromachining, surface modification, surface textures, surface coating, roughness modeling,

Guest Editor

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Deadline for manuscript submissions

closed (31 December 2024)

Lubricants

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Impact Factor 2.9
CiteScore 4.5

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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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