

Special Issue

Advanced Polymeric and Colloidal Lubricants

Message from the Guest Editors

Over the past two decades, our understanding of complex intermolecular interactions responsible for friction and wear reduction in mechanical and biomechanical systems has improved significantly. As a result, there has been a burst of novel materials and technologies designed and evaluated to improve efficiency and sustainability of these systems. Our objective in this Special Issue of *Lubricants* is to provide a platform for you to publish your most recent advances in designing and understanding state-of-the-art polymeric, colloidal and electrolyte-based friction-mediating materials and technologies. We welcome contributions on experimental, theoretical and computer simulation aspects of controlling friction and wear in such materials. We hope that this Special Issue will form a collection of multifaceted articles showcasing the advances in the field of lubricating soft materials. We look forward to reading your notable contributions to this field.

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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