Special Issue

Water Lubricated Bearings

Message from the Guest Editors

Water lubricated bearings are a type of resource-saving and environmentally friendly bearing that uses new polymer engineering composite materials instead of traditional metal materials as the working interface of its transmission components and natural water instead of mineral oil as the lubricating medium for its transmission system. These bearings are widely used in various transmission machinery, especially to support the transmission shaft system in ship propulsion systems. In order to further improve the performance of water lubricated bearings, effective research has been carried out on the development of new materials, preparation processes, the optimization of lubrication structures, and advanced testing and evaluation methods. In this Special Issue, we invite contributors to explore cutting-edge research and the latest developments in the field of water lubricated bearings. We welcome theoretical and experimental research, as well as review and survey papers.

Guest Editors

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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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