Special Issue

Tribology in Processing and Application of Steels

Message from the Guest Editors

As the most widespread materials, steels have been used in the mechanical industry due to their impressive properties. Many tribological problems are involved in the processing and application of steels. For moving mechanical components such as bearings and gears, the accuracy and integrity of working surfaces can significantly influence their service performance and reliability. Many ultra-precision processing technologies have been developed and applied, such as jet polishing, shear-thickening polishing, chemical mechanical polishing, and their combinations. The polishing process involves micro- and nano-wear. Meanwhile, the working process of bearings and gears involves friction and lubrication. The tribological issues involved in the processing and application of steels merit further investigation. This topic on "Tribology in Processing and Application of Steels" includes but is not limited to micro- and nano-wear in steel processing, and friction and lubrication in steel application. We sincerely invite you to publish your research in this Special Issue.

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Deadline for manuscript submissions

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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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