Special Issue

Wear Behavior of Aluminum Matrix Composite

Message from the Guest Editors

Aluminum-based composites are a class of metal matrix composites that can be successfully used in the aerospace, structural, and automotive industries. However, their applications have often been restricted due to their moderate wear resistance. The development of improved wear-resistant aluminum-based matrix composites is receiving considerable attention from the scientific and technological community. Although notable research has been carried out on processing and mechanical properties, further studies are constantly required. Thus, the design, synthesis, and development of new aluminum-based compounds with better wear properties is the challenge of the new generation of researchers.

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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.*

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