Special Issue

Wear and Corrosion Behaviour of Metals and Alloys

Message from the Guest Editor

Corrosion can frequently occur with a lack of mechanical wear, although corrosion accompanies wear practice to nearly the same degree in entire environments, excluding inert atmospheres. The corrosion and wear of metals and alloys frequently combine to begin serious damage during their service. Investigation of corrosion and wear mechanisms is important for revealing the relationships between abrasion, impact, and corrosion. There are many studies on improving the corrosion and wear resistance of metals and alloys. Metals and alloys are used in a variety of applications and have wide families. It will be possible to improve the metal industry with the optimization of the properties of new products, metal and alloys. This Special Issue will focus on the important areas of research of corrosion and wear, investigating the phenomenon of corrosion and wear of metals and alloys with various scientific approaches. It is a useful guide to the use of titanium, magnesium, stainless steel, high-entropy, and aluminum alloys based on their corrosion and wear behaviors.

Guest Editor

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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.*

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