



Friction and Wear Properties of Composite Coatings in Air and Water

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Message from the Guest Editors

Dear Colleagues,

Lubricant oil has been widely used in various driving systems, but its source, petroleum, is non-renewable. Moreover, the leakage and burning of lubricating oil undoubtedly pollute the natural environment and pose a potential hazard to human health. Thus, developing environmentally friendly tribology in air and water has become a priority. However, its successful application is subject to two major disadvantages: poor lubrication and strong oxidation. Therefore, developing novel coating materials with good tribological properties in air and water is paramount.

The Special Issue entitled "Tribological Properties of Composite Coatings in Air and Water" aims to present recent research on composite coatings' friction and wear properties with improved lubricating properties in air and water-based environments. The composite coatings could be organic, inorganic, monolayer, or multilayer deposited by various methods. Some of its focal points include, but are not limited to, the following:

