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2D Materials in Tribology

Guest Editor:

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Deadline for manuscript submissions:
closed (31 July 2024)

Message from the Guest Editor

This Special Issue on "2D Materials in Tribology" can be the perfect opportunity for researchers working in experimental and theoretical fields to update the community on cutting-edge applications concerning 2D materials as friction modifiers.

The potential topics include, but are not limited to:

- Experimental applications of 2D materials as lubricant additives;
- Computational and theoretical works that can shed light on the atomistic mechanisms of lubrication in 2D materials;
- Innovative study related to superlubricity, an intrinsic property of 2D lubricant materials;
- 2D materials used in cutting-edge tribological fields, such as in the triboelectric effect.

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Editor-in-Chief

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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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