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Ferrofluids applied in Tribosystems

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Message from the Guest Editors

Dear Colleagues,

In this Special Issue, we would like to gather contributions that deal with all aspects of the use of ferrofluids and MR fluids in tribo-systems and -applications:

- Mathematical modeling and design of magnetic fluid applications in mechanical engineering;
- Examples and applications of the use of magnetic fluids in bearings, seals and other machine components in mechanical design, mechatronics systems and high precision systems;
- Practical formulation, and characterization of magnetic fluids.

Both review papers and in-depth research papers on new developments in this field will be collected in this Special Issue. We are looking forward to your valued contributions.

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Guest Editors



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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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