Special Issue

Green Chemistry in Lubrication

Message from the Guest Editor

Green chemistry, also known as sustainable chemistry, is defined as the design of chemical products and processes that reduce or eliminate the use or generation of hazardous substances. Recently, the "green chemistry" concept has been introduced and developed in the lubrication field, such as for biodegradable, environment-friendly lubrication and natural lubrication. This Special Issue will aim at the current advances and future trends of biodegradable, environment-friendly, natural lubrication and other green lubrication technologies. Contributions from both academic and industrial research are welcome. The papers should either aid in obtaining a better understanding of green lubrication mechanisms or give insights into new concepts for green chemistry in lubrication.

- Biodegradability
- Sustainability
- Environment-friendly lubrication
- Natural lubrication
- Tribochemistry
- Renewable raw materials
- Lubricant base oil
- Lubricant additives

Guest Editor

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Deadline for manuscript submissions

closed (30 June 2017)

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About the Journal

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.*

Editor-in-Chief

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