Special Issue

Novel Lubricant Additives in 2025

Message from the Guest Editors

Lubricant additives are used to reduce friction between moving parts, prevent wear and tear, improve oxidation stability, inhibit corrosion and control foaming. Novel lubricant additives are designed to meet the diverse and demanding requirements of modern industrial applications, automotive systems and other pieces of machinery that require effective lubrication. This Special Issue aims to share the latest researches in lubricant additives, focusing on the innovation of additive molecules, compositions and synthesis methods, as well as their applications in lubricating materials. We welcome research contributions covering a wide variety of topics, including experimental studies, theoretical discussions and practical application cases, etc. We look forward to receiving your submissions to promote the development and application of novel lubricant additives, contributing to the progress of lubricating technology.

Guest Editors

Dr. Hongmei Yang

State Key Laboratory of Organometallic Chemistry, Shanghai Institute of Organic Chemistry, Chinese Academy of Sciences, Shanghai 200032, China

Prof. Dr. Jiusheng Li

Laboratory of Advanced Lubricating Materials, Shanghai Advanced Research Institute, Chinese Academy of Sciences, Shanghai 201210, China

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Lubricants
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
lubricants@mdpi.com

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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.*

Editor-in-Chief

Prof. Dr. Homer Rahnejat
School of Engineering, University of Central Lancashire, Preston PR1 2HE, UK

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