



Lubricant Additives

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Message from the Guest Editor

Dear Colleagues,

Lubricants play significant roles in machine elements through reducing friction and wear, in order that they function efficiently. The phenomenon of improved lubricity using additives was first reported mid-20th Century. Since then, R&D activities for lubricant additives have been performed on a trial and error basis. Today, various additives are applied in lubricants to improve the total performances of lubrication systems. Different types of additives are well-combined in an empirical way, to achieve the multi-functionalities in practical applications. This Special Issue focuses on recent challenges in additive technologies of lubricants using specific scientific approaches toward advanced lubricant chemistry. Mechanistic investigations on optimal molecular designs of additives are also within the scope of the issue. We look forward to receiving your original work having clear strategies with scientific tools and/or theorem for additive technologies.

Prof. Dr. Ichiro Minami

Guest Editor





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Message from the Editor-in-Chief

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