



Recent Advances in Automotive Powertrain Lubrication

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Message from the Guest Editors

Dear Colleagues,

The individual passenger car is still dominant for passenger transport, as are medium and heavy commercial vehicles in logistics. In addition, there is still a strong reliance on internal combustion engines (ICEs) fueled by fossil-based gasoline or diesel, although a shift to electrification is currently taking place in the automobile market. On the other hand, increasingly stringent legal requirements demand stricter emission limits, binding targets for CO₂ emission with new and more reliable emission testing under real driving conditions, and improved fuel economy. These facts are highly important driving factors for scientific efforts to develop improved mobility concepts with a special focus on elevated environmental friendliness. Strategies to achieve these goals are manifold.

Given these general conditions, the parameter of suitable component lubrication is a key factor in the development of future automotive powertrains. Thus, this Special Issue aims to give an insight into the recent trends and research directions in the field of automotive lubrication. All state-of-the-art contributions are

