

Special Issue

Tribology of Polymers

Message from the Guest Editors

This Special Issue focuses on the latest progress in the tribology of polymers. The properties of polymers change with time during the tribological process, resulting in problems. For example, the ultra-high molecular-weight polyester in the artificial joint system produces wear particles after extended use and induces osteolysis. Wear in metals and ceramics can be reduced by external lubricants, but external lubricants often cause swelling in polymers. In the human body, not only the body fluid influences the lubrication of polymers but also the biological components. We aim to deliver recent the progress in the tribology of synthetic or natural polymers. We also aim to present potential mechanisms for reducing the friction, decreasing the wear, and increasing the lubrication of polymers. This Special Issue not only provides a better understanding of changes in the properties of polymers with time but also provides potential solutions for current problems of polymers during tribological processes.

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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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