

## Special Issue

# Polymeric Materials as Lubricant Additives

### Message from the Guest Editors

Ubiquitous to many facets of our machines, lubricants are often underestimated and viewed as commodity products. Lubricants are one of the most critical elements to engine durability and lifetime, providing much sought-after fuel efficiency, yet they are unseen and long ignored. They are additized with many materials that maintain and perform specific functions, one of the main components being polymers. This Special Issue has been launched to highlight the most recent advances in polymer design and synthesis, interaction within bulk base oil, interaction with other components, viscosity, shear stability, film forming properties, tribology, surface interaction effects, molecular weight, mechanistic studies, and machine learning, to achieve a fundamental understanding of their operation. In addition, any work around green polymers (biobased or plastic-derived) is encouraged. Of interest are polymers utilized in fluid lubricants and greases; however, polymers for solid lubrication will also be considered. We hope that this Special Issue stimulates authors and readers, as much as the Editors.

### Guest Editors

Dr. Lelia Cosimbescu

Pacific Northwest National Laboratory, 902 Battelle Blvd., MSIN K2-44,  
Richland, WA 99354, USA

Dr. Robert Erck

Experimental Operations Facility, Argonne National Laboratory, 9700 S.  
Cass Ave, 212 D212 Lemont, IL 60439, USA

### Deadline for manuscript submissions

closed (20 January 2022)



## Polymers

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*Polymers*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[polymers@mdpi.com](mailto:polymers@mdpi.com)

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### Message from the Editor-in-Chief

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

Lehrstuhl für Polymermaterialien und Polymertechnologie, University of Potsdam, 14476 Potsdam-Golm, Germany

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