

## Special Issue

# Interaction and Dynamics of Polymers and Colloidal Particles Near Interfaces

### Message from the Guest Editors

Suspensions of colloidal, *polymeric*, micellar or active entities close to an interface exhibit complex and fascinating static and dynamic properties, which might largely deviate from their bulk behaviour. Prominent examples of such effects are surface induced ordering, the slowing down of Brownian dynamics due to hydrodynamic interaction with solid flat surfaces, or the interface directed motion of active swimmers. As technology is zooming into ever smaller length scales, these interface effects are getting more significant and can be exploited technologically in the best case. A thorough understanding of such interface induced effects is thus both necessary and worthwhile. This special issue is dedicated to collect the latest experimental, theoretical and simulation results on these subjects from all research fields concerned with colloidal, *polymeric* or active matter.

---

### Guest Editors

Prof. Dr. Peter R. Lang

Forschungszentrum Jülich, Institute of Biomacromolecular Systems And Processes IBI-4, 52428 Juelich, Germany

Dr. Yi Liu

Forschungszentrum Jülich, Institute of Biomacromolecular Systems And Processes IBI-4, 52425 Jülich, Germany

---

### Deadline for manuscript submissions

closed (15 August 2024)



## Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.7  
CiteScore 8.0  
Indexed in PubMed



[mdpi.com/si/119081](https://mdpi.com/si/119081)

*Polymers*

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

[mdpi.com/journal/  
polymers](https://mdpi.com/journal/polymers)





# Polymers

---

an Open Access Journal  
by MDPI

---

Impact Factor 4.7  
CiteScore 8.0  
Indexed in PubMed



[mdpi.com/journal/  
polymers](https://mdpi.com/journal/polymers)



## About the Journal

### 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.

---

### Editor-in-Chief

Prof. Dr. Alexander Böker

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

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, PubMed, PMC, FSTA, CAPlus / SciFinder, Inspec, and other databases.

#### Journal Rank:

JCR - Q1 (Polymer Science) / CiteScore - Q1 (General Chemistry)