

# Special Issue

## Biopolymers at the Nanoscale

### Message from the Guest Editors

Polymers are complex materials comprised of repeating building blocks, and this motif exists throughout the biosphere. Silk, wool, DNA, cellulose, peptides, and proteins are all biologically significant polymers, and from these materials, diverse structures yield a plethora of functions, including the transmission and transformation of energy, chemical signals, and information. The natural world has inspired human achievement since antiquity. Our current computer-aided, molecule-based, atomistic understanding of biopolymers can and will continue to shape our understanding of polymers in biology and enhance our productivity and capacity to live on Earth. This Special Issue, entitled 'Biopolymers at the Nanoscale', focuses on the properties of polymers at the molecular level and their effects on bulk material properties. The use of computational tools to support innovation in this area is emphasized, and both research and review articles will be considered for this Special Issue.

### Guest Editors

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### Deadline for manuscript submissions

closed (15 December 2023)



## Polymers

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Impact Factor 4.9  
CiteScore 9.7  
Indexed in PubMed



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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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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