Special Issue

Amphiphilic Polymers: Synthesis, Characterization, Theory and Simulation

Message from the Guest Editor

Amphiphilic polymers can self-assemble into a wide variety of structures, ranging from simple spherical micelles to complex compound vesicles, which can be used in applications including the encapsulation and delivery of drugs and the construction of artificial cell components. The structures that form depend sensitively on the interaction of several factors, including the architecture of the amphiphilic polymers themselves and the dynamics of the self-assembly process. This complexity means that modeling has an important role to play in understanding existing experimental results and guiding future investigations, and this is the motivation for this Special Issue on the theory and simulation of amphiphilic polymers. Submissions are welcome based on any modeling approach, on both the fundamental science and the applications of these molecules, and can be either original research or reviews.

Guest Editor

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Deadline for manuscript submissions

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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.

Editor-in-Chief

Prof. Dr. Alexander Böker
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