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Amphiphilic Polymers: Synthesis, Characterization, Theory and Simulation

Guest Editor:

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Deadline for manuscript submissions:
closed (10 December 2022)

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.

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Editor-in-Chief

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Message from the Editor-in-Chief

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