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Theoretical and Computational Polymers Science: Physics, Chemistry and Biology

Guest Editor:

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Deadline for manuscript submissions:
31 July 2024

Message from the Guest Editor

The theoretical descriptions should be illustrated by discussing suitable applications to specific problems related to structural, transport and dynamical properties of linear polymers, modelled, e.g., by worm-like (reptation) and Monte Carlo-type methods. The latter are suitable for generating long and densely packed self-avoiding chains in different problems, such as the growth of thin polymeric films of nanometre size, their transport behaviour in disordered environments, and their actual packing within confined volumes such as the nucleus of a cell. The studies of polymer networks, and associated anomalous rheological properties, are welcome in view of the possible connections with fractal scaling and fractional dynamics.

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Editor-in-Chief

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Message from the Editor-in-Chief

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