



materials



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Block Copolymers for Drug Carriers/Vehicles

Guest Editor:

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Deadline for manuscript submissions:

closed (31 March 2021)

Message from the Guest Editor

Block copolymers with an amphiphilic nature are known to self-assemble in an aqueous medium into polymeric micelles with a micro- to nanosize range, which are characterized by their unique core-shell architecture. Space created inside the micelle core can be used for transportation of drug molecules of hydrophobic nature, low solubility in blood, and with numerous side effects to the human body, especially those for cancer treatments.

This issue aims to introduce the current state-of-the-art concerning polymeric drug delivery systems and to envision future perspectives. The topical subjects to be addressed include synthetic block polymers, natural polymers, bioconjugation of polymers, stimuli-responsive block copolymers, bioactive polymers, smart polymers, nanogels, hydrogels, the dynamics of polymers crossing biological barriers, targeted drug delivery, etc.

Considering your prominent contribution in this research area, I would like to invite you to submit high-quality original communications, full-length research articles, and reviews for this Special Issue.



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Special Issue



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Message from the Editor-in-Chief

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