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New Advances in Polymeric Micelles for Drug Delivery

Guest Editor:

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Deadline for manuscript
submissions:

closed (31 July 2023)

Message from the Guest Editor

Many of the challenges concerning pharmaceutical compounds involve the tuning of their physical properties and controlled and targeted drug delivery, in order to acquire the optimum therapeutic effect. Keeping these challenges and the recent emergence of advanced materials in mind, polymeric micelles have been applied due to their enhanced drug encapsulation capacity and their ability to improve the pharmacokinetics of the loaded drug.

Polymeric micelles are formed by amphiphilic block copolymers that spontaneously self-assemble into nanosized aggregates. In order to achieve maximum therapeutic effect, physical characteristics such as the size, composition, surface charge, surface chemistry and responsiveness of the micelles in internal or external stimuli must be engineered.

To address these issues, authors are invited to contribute original or review articles to this Special Issue highlighting recent developments related to polymeric micelles used for drug delivery.



mdpi.com/si/132686

Special Issue



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Message from the Editor-in-Chief

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