

## Special Issue

# New Polymers as Nanovehicles for Several Therapeutic Applications: Current Advances and Future Perspectives

### Message from the Guest Editors

Pluronic® are a class of amphiphilic tri-block copolymers with wide pharmaceutical applicability. Due to the great potential for tuning physical and structural properties by chemical modifications, a panoply of functionalized drug-loaded nanovehicles can be prepared and tested in various in vitro and in vivo models. Additionally, some Pluronic® can interact with cell membranes and affect important cellular functions, potentially contributing to the effects of therapeutic load. In spite of this, the extraordinary complexity of biological challenges in the delivery of micellar drug payload makes their therapeutic potential still not exploited to the fullest. We invite investigators to contribute with the submission of original research articles as well as review articles in order to explore new materials such as amphiphilic tri-block copolymers as Pluronic and modalities to produce effective nanovehicles for several applications in in vitro and in vivo studies in the pharmaceutical field.

### Guest Editors

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### Deadline for manuscript submissions

closed (1 April 2023)



## Polymers

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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 4.9.

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.

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### Editor-in-Chief

Prof. Dr. Alexander Böker

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