

Special Issue

Recent Advances in Polymers as Matrices for Drug Delivery Applications

Message from the Guest Editors

The specific delivery of a drug to an organ, a tissue, or unhealthy cells by carriers is one of the major challenges in pharmaceutical and biomedical research. Polymeric matrices are the backbone of controlled drug delivery systems in light of clinical accomplishment.

There are multiple examples of drug delivery devices, orodispersible tablets and films, solid oral dosage forms, drug-eluting stents, therapeutic contact lenses, and subcutaneous implants for prolonged drug delivery, along with microneedles for transdermal drug delivery. In recent years, researchers have paid increasing attention to surface and colloid chemistry, as well as 3D printing, and recognized its importance for the design, processing, and controlled use of advanced drug delivery formulations. This issue will summarize the latest findings surrounding the aspects of polymer matrices to facilitate the design and understanding of drug delivery formulations. It will cover the most relevant aspects regarding to novel compositions, advanced processing routes, and their final applications. Original research papers and review articles are welcome.

Guest Editors

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Deadline for manuscript submissions

closed (20 August 2022)



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Editor-in-Chief

Prof. Dr. Amélia Pilar Rauter

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