

Special Issue

Carbohydrate Polymers in Drug Delivery and Pharmaceutical Formulation

Message from the Guest Editor

Carbohydrate polymers represent one of the most versatile classes of biomaterials in pharmaceutical science. Their abundant natural availability, biocompatibility, biodegradability, and multifunctional physicochemical properties make them highly suitable for designing advanced drug delivery systems and novel pharmaceutical excipients. This Special Issue highlights innovative research and recent developments in the formulation, modification, and application of carbohydrate-based materials across the pharmaceutical landscape. The focus and themes for this Special Issue include:

- Carbohydrate Polymers in Drug Delivery Systems
- Novel Processing and Encapsulation Technologies
- Enhancing Drug Performance
- Development of New Carbohydrate-Based Excipients
- Application in Pharmaceutical Processing

Submissions may involve following carbohydrate polymers of interest: pectin, alginate, cellulose and its derivatives, cyclodextrins, chitosan, xanthan gum, acacia (Gum Arabic), and carrageenan.

Guest Editor

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