

Special Issue

Cyclodextrins in Drug Delivery, 2nd Edition

Message from the Guest Editors

Cyclodextrins are one of the most versatile tools in pharmaceutical technology due to their unique structural conformation. They are cyclic oligosaccharides consisting of (α-1,4-)-linked α-D-glucopyranose units with a hydrophilic outer surface and a hydrophobic central cavity, able to form non-covalent inclusion complexes with a wide range of molecules, including a variety of drugs.

Cyclodextrins play a very important role in formulation by improving drug solubility and/or dissolution, permeability, and physical and chemical stability, thus enhancing their bioavailability. Other applications include odor and taste masking, prevention of incompatibility, and control of drug release.

Moreover, their combined use with various nanocarriers can be an interesting approach to simultaneously increase the performance of both as drug carriers. Due to their multifunctional properties, cyclodextrins can be exploited in the development of almost every kind of drug delivery system. Authors are kindly invited to submit original papers and reviews regarding potential applications of cyclodextrins in drug delivery, to be published in this Special Issue of *Pharmaceutics*.

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Deadline for manuscript submissions

closed (30 June 2024)



Pharmaceutics

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Impact Factor 5.5
CiteScore 10.0
Indexed in PubMed



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