



Cyclodextrins in Drug Formulation and Delivery

Guest Editors:

Dr. Francesca Maestrelli

Department of Chemistry,
University of Florence, via Schiff
6, Sesto Fiorentino, 50019
Florence, Italy

Dr. Marzia Cirri

Department of Chemistry,
University of Florence, via Schiff
6, Sesto Fiorentino, 50019
Florence, Italy

Deadline for manuscript
submissions:
closed (20 October 2018)

Message from the Guest Editors

Dear Colleagues,

Cyclodextrins (CDs) are cyclic oligosaccharides which are able to form inclusion complexes with a variety of hydrophobic guest molecules, and are mainly utilized in the pharmaceutical field to enhance the water solubility and dissolution rate of poorly-soluble drugs, to mask unpleasant taste or odor, improve the stability of the included host molecules from hydrolysis or enzymatic degradation in the gastric environment, and reduce local drug irritation phenomena. Vice versa, hydrophobic cyclodextrins could represent suitable carriers for obtaining slow-dissolving profiles of soluble drugs.

Cyclodextrins can be successfully applied to improve drug entrapment and drug release and permeation properties from several kinds of conventional or less-conventional drug delivery systems, thus simultaneously exploiting both cyclodextrin complexation and drug delivery systems properties.

Prof. Francesca Maestrelli

Dr. Marzia Cirri

Guest Editors





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Editor-in-Chief

Prof. Dr. Patrick J. Sinko

Department of Pharmaceutics,
Ernest Mario School of
Pharmacy, Rutgers University,
Piscataway, NJ 08854, USA

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Pharmaceutics Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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