

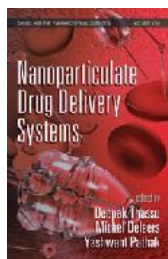
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Nanoparticulate Drug Delivery Systems

Series: Drugs and the Pharmaceutical Sciences**Dr Deepak Thassu** (*Holopak International Group, Columbia, SC, USA*)**Dr Michel Deleers** (*UCB Pharma, Braine L'Alleud, Belgium*)**Dr Yashwant Pathak** (*Sullivan University, Louisville, KY, USA*)

Book

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This guide addresses scientific methodologies, formulation, processing, applications, recent trends, and emerging technologies in the research of nanoparticulate drug delivery systems (NPDDS).

It extensively covers applications of NPDDS, including lipid nanoparticles for dermal applications, nanocarriers for treating restenosis, ocular, central nervous system, and gastrointestinal applications, and as an adjuvant for vaccine development.

With contributions from international experts, this guide discusses:

- formulation for poorly soluble drugs
- biological requirements for nanotherapeutic applications and the role of nanobiotechnology in developing nanomedicine
- advances in nanoparticulate technology, including electrospinning, formation of microcrystals, production of liquid crystalline phases, and the technology of metallic nanoparticles

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