



# Nano Drug Delivery Systems

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Advances in nanotechnology have transformed modern drug delivery by enabling precise targeting, improved therapeutic efficacy, and reduced systemic toxicity. As nanomedicine continues to influence pharmaceutical research and clinical therapy, a clear understanding of nano drug delivery systems has become essential for postgraduate students and researchers in pharmaceuticals.

Nano Drug Delivery Systems provides a comprehensive and structured exploration of nanotechnology-based pharmaceutical delivery strategies. The book presents fundamental concepts of nanomaterials and nanoparticle fabrication while progressing toward advanced topics such as lipid-based nanocarriers, polymeric nanoparticles, nano-bio interactions, targeted drug delivery, nanodiagnostics, nanotoxicology, and regulatory considerations.

Organized into 20 in-depth chapters, the text combines clear conceptual explanations with scientific illustrations and systematically arranged sections that help readers understand complex nanomedicine concepts. The book is designed to support postgraduate learning while also serving as a valuable reference for researchers and faculty working in pharmaceutical nanotechnology.

### Key Features

- Comprehensive coverage of Nano Drug Delivery Systems
- 20 in-depth chapters from fundamentals to advanced applications
- Clear explanations supported by illustrations and structured concepts
- Coverage of nanocarriers, targeting strategies, and nano-bio interactions
- Includes nanotoxicology, diagnostics, and regulatory aspects
- Ideal for M.Pharm, B.Pharm, and PhD students
- Useful reference for researchers and academic faculty

An essential postgraduate textbook on nanotechnology-based drug delivery.

Price Rs 849.00  
979-890362008-1



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for successfully publishing

**NANO DRUG DELIVERY SYSTEMS**

on **12-03-2026**

*"A writer's life and work are not a gift to mankind; **they're a necessity**"~ Toni Morrison*

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