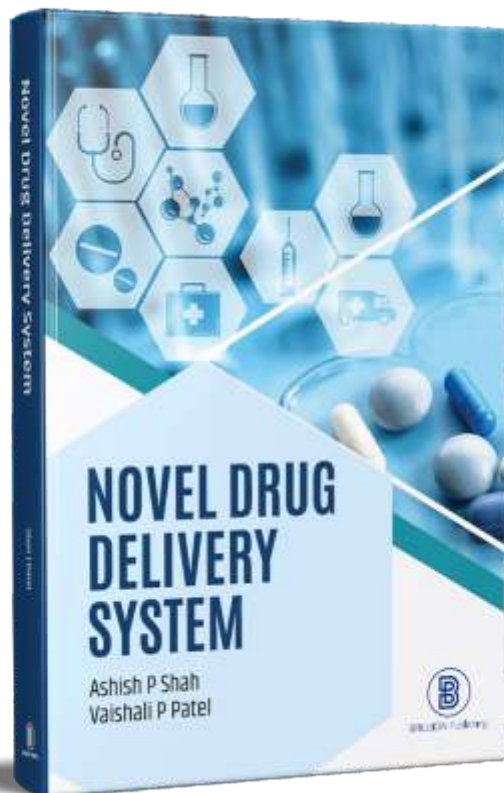





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NOVEL DRUG DELIVERY SYSTEM

About the Book

Over the years, the pharmaceutical industry has made tremendous strides in developing new therapeutic agents that address various diseases and conditions. However, the effectiveness of these drugs is heavily reliant on the manner in which they are delivered into the body. Traditional methods of drug administration often face challenges such as poor bioavailability, limited target specificity, frequent dosing regimens, and adverse effects. As a result, patients may experience discomfort, reduced compliance, and sometimes suboptimal therapeutic outcomes. The emergence of Novel Drug Delivery Systems presents a promising solution to these challenges.

In this book we will explore we have explored various NDDS approaches, including controlled drug delivery systems, microencapsulation, mucosal, osmotic, transdermal, Gastro-retentive, Nasopulmonary, ocular and intrauterine drug delivery systems. You will discover how these systems exploit physiological barriers, employ smart release mechanisms, and leverage specific molecular interactions to achieve precise drug localization and sustained therapeutic effects. The book has been written keeping in view the requirements of graduates, post graduates, teachers and researchers. Each chapter of the book is written in such a manner that readers are able to learn the concepts, deigning and applications of NDDS very easily with in depth knowledge.

Ashish P Shah | Vaishali P Patel

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Mucosal Drug Delivery System
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Gastro Retentive Drug Delivery System
Nasopulmonary Drug Delivery System
Targeted Drug Delivery
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