Contents

Prefa	ace	V
List c	of Contributors	vii
Colo	or Plates I–IV (between pages 114 and 115)	
1.	Historical Development of Controlled and Novel Drug Delivery Systems Riya Shivgotra, Jaanvi Khanna, Pushpinder Kaur, Suraj Jain, Subheet Kumar Jain	1
2.	Fundamentals of Controlled and Novel Drug Delivery Bindu Soni, Arprita Malhan, Manya Sharma, Hossamaldeen Bakrey, Subheet Kumar Jain	25
3.	Targeted Drug Delivery Systems Sarjana Raikwar, Sunny Rathee, Pooja Bidla, Harshita Singhai, Sanjay K Jain	61
4.	Quality by Design Assisted Development of Controlled and Novel Drug Delivery Systems Ashish Baldi, Akshay Kumar, Srishti Naryal	106
5.	Excipients for Controlled and Novel Drug Delivery Systems <i>Kiran R Divekar, Gauri R Borude, Rajeshwar V. Kshirsagar, Gaurav A Nirbhavne,</i> <i>Shubham M Solat</i>	145
6.	Smart Polymeric Nanoconstructs for Controlled and Novel Drug Delivery Avijit Kumar Bakshi, Dilip Panwar, Krishna Yadav, Neha Agarwal, Ankit Kumar, Pratiksha Tiwari, Nikhil Rai, Prabhat Ranjan Mishra	180
7.	Cyclodextrin-based Controlled and Novel Drug Delivery Systems Harshal Ashok Pawar, Sushma Rahul Singh, Girish Nihalani, Nilesh M Khutle, Pushpendra K Tripathi	217
8.	Micellar Controlled and Novel Drug Delivery Systems Aazam Shaikh, Niladri Haldar, Devyani Sengar, Virendra Gajbhiye	235
9.	Gastroretentive Controlled and Novel Drug Delivery Systems Sushma Rahul Singh, Harshal Ashok Pawar, Nilesh M Khutle, Pushpendra K Tripathi	268
10.	Mucoadhesive Controlled and Novel Drug Delivery Systems Munish Dhiman, Mrunal Rahangdale, Anupama Dhiman, Krutika K Sawant	295
11.	Hydrodynamically Balanced Controlled and Novel Drug Delivery Systems Sanjay Patil, Rakhee Kapadia, Kinjal Parikh, Sridhar Vemulapalli, Krutika K Sawant	337
12.	Hydrogels as Controlled and Novel Drug Delivery Systems Brahmeshwar Mishra, Manish Kumar	369
13.	Ophthalmic Controlled and Novel Drug Delivery Systems <i>Rohit Bhawale, Ravindra Vasave, Neelesh Kumar Mehra</i>	418

14.	Parenteral Controlled and Novel Drug Delivery Systems Vivek P Chavda, Pragna Shelat, Tejal Shah, Lajja Patel, Pankti C Balar, Punit Prejiya, Sunny Shah	446
15.	Engineered Nanoerythrosomes as Controlled and Novel Drug Delivery Systems K Trideva Sastri, Rupshee Jain, Vikas Jain	474
16.	Transferosomes as Controlled and Novel Drug Delivery Systems Lalitkumar K Vora, Vivek P Chavda, Pankti C Balar, Amol Gholap, Bedanta Bhattacharjee	497
17.	Multiple Emulsion as Controlled and Novel Drug Delivery Systems	523
18.	Nilesh M Khutle, Sushma Rahul Singh, Harshal Ashok Pawar, Pushpendra K Tripathi Microemulsions as Controlled and Novel Drug Delivery Systems	554
	Vivek P Chavda, Niva Rani Gogoi, Dixa A Vaghela, Rajashri Bezbaruah	
19.	Nanoemulsions as Controlled and Novel Drug Delivery Systems Shobhit Kumar, Saba Khan, Sanjula Baboota, Javed Ali	592
20.	Liposomes as Controlled and Novel Drug Delivery Systems Gowtham Menon, Vipul P Patel, Supriya Bhagwat, Akash Udamale, Kasture Akanksha Yogiraj, Onkar Kacharu Lohakare	617
21.	Niosomes as Controlled and Novel Drug Delivery Systems Gowtham Menon, Sarath Chandra Shenoy, Angel Treasa Alex, Alan Raj, Nishant Tarhal, Surbhi Sureshan	659
22.	Hybrid Controlled and Novel Drug Delivery Systems Manisha Patel, Sreevardhan Moode, Keerti Jain	688
23.	Prodrugs as Controlled and Novel Drug Delivery Systems <i>Mitali Patel, Munish Dhiman, Anupama Dhiman, Ami Patel, Krutika K Sawant</i>	715
24.	Vesicular Controlled and Novel Drug Delivery Systems <i>Preethi S, K Trideva Sastri, Rupshee Jain, Vikas Jain</i>	749
25.	Aquasomes as Controlled and Novel Drug Delivery Systems Brahmeshwar Mishra, Ritika Srivastava	772
26.	Solid Lipid Nanoparticles Shikha Agrawal, Trupti Kulkarni	802
27.	Nanoengineered Controlled and Novel Drug Delivery Systems <i>Pragya Sharma, Surbhi Dhawan, Sanju Nanda</i>	842
28.	Nanocochleates as Controlled and Novel Drug Delivery Systems Dipak B Bari, Chandrakantsing V Pardeshi	898
29.	Dendrimers as Controlled and Novel Drug Delivery Systems Pallem Karthikeya Lalitha Siddhartha, Anjali Jain, Rakesh Kumar Sahoo, Umesh Gupta	927
30.	Carbon Nanotubes as Controlled and Novel Drug Delivery Systems Ravindra Vasave, Rohit Bhawale, Neelesh Kumar Mehra	951
31.	Quantum Dots as Controlled and Novel Drug Delivery Systems	995
Inde	Naveneet Dubey, Suman Ramteke, NK Jain 1	025

xiv