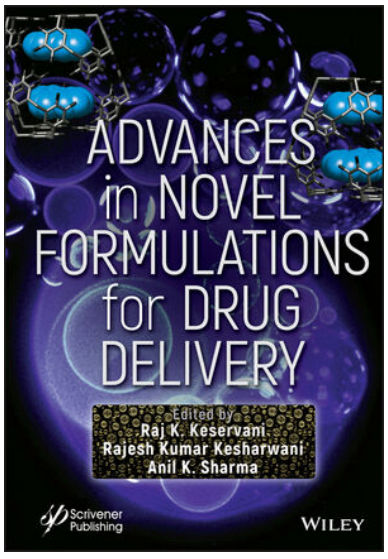

Advances in Novel Formulations for Drug Delivery

Raj K. Keservani (Editor), Rajesh Kumar Kesharwani (Editor), Anil K. Sharma (Editor)

E-Book	978-1-394-16768-5	February 2023		**$199.00**
Hardcover	978-1-394-16643-5	March 2023	*Print-on-demand*	**$249.00**
O-Book	978-1-394-16770-8	February 2023		**Available on Wiley Online Library**

DESCRIPTION

ADVANCES in NOVEL FORMULATIONS for DRUG DELIVERY

The 27 chapters describe novel strategies for drug/nutraceutical delivery and embrace the development of formulations with herbal ingredients, while also highlighting disease therapeutics.

Drug delivery technology has witnessed many advancements purported to cater to the customized needs of its ultimate beneficiaries—the patients. Today, dosage forms are not confined to conventional tablets, capsules, or injectables, but have evolved to cover novel drug carriers such as particulates, vesicles, and many others. Nanotechnological advancements have played a major role in this paradigm shift in ways of delivering active pharmaceutical ingredients.

A new dimension in the use of food as medicine has also gained prominence in recent years. A portmanteau of nutrition and pharmaceuticals is “nutraceuticals,” also known as functional foods and dietary supplements. The technologies which were earlier included in drug delivery have been attempted for the delivery of nutraceuticals as well. Herbal actives have received increased attention due to their low risk-to-benefit ratio. The field of drug delivery is quite dynamic in nature, as witnessed by its evolution from conventional dosage forms to nanotechnology-assisted drug products. A variety of formulations via different drug delivery routes have been developed to treat/cure/mitigate diseases or disorders.

This book, comprising of 27 chapters, is a thorough compilation of information relevant to drug delivery systems with an emphasis on products based on nanotechnology.

Audience

Researchers, scientists, industry professionals, formulators and product developers, regulatory agencies in a variety of settings including novel drug delivery research laboratories, pharmaceutical, and pharmacy industries, biomedical sciences, food and nutraceuticals manufacturers, and nanotechnology.

✍ ABOUT THE AUTHOR

Raj K. Keservani, MPharm, is an associate professor in the Faculty of B. Pharmacy, CSM Group of Institutions, Prayagraj, India. He has more than 12 years of academic (teaching) experience from various institutes in India in pharmaceutical education. He has published more than 30 peer-reviewed papers in the field of pharmaceutical sciences in national and international journals, 1 patent, 43 book chapters, three co-authored books, and 19 edited books. His research interests include nutraceutical and functional foods, novel drug delivery systems (NDDS), transdermal drug delivery/drug delivery, health science, cancer biology, and neurobiology.

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