Contents

Foreword by Prof (Dr) Shailendra Saraf		iii	
Preface to the Second Edition		<i>V</i> .	
Pretace	e to the First Edition	Vİ	
Unit I			
Introduction to Herbal Formulations			
1.	Herbal Formulation	1	
	Definition, Classification, Traditional <i>vs</i> Modern Herbal Formulation and Herbal Dosage Forms		
2.	Formulation Consideration of Herbal Dosage Forms	32	
	Herbal Excipients—Classification of Excipients—Colorants, Sweeteners, Binders, Diluents, Viscosity Builders, Disintegrants, Flavors and Perfumes, Formulation Development and Evaluation Criteria		
3.	Herbal Formulation-based Novel Drug Delivery System	51	
	Herbal Novel Drug Delivery System		
Unit II			
	Intellectual Property Rights and Patenting of Herbal Formulations		
4.	Intellectual Property Rights	64	
	Concepts of IPR and Patenting of Herbal Formulations, Regulatory Issues and Documentations for Patenting of Herbal Formulations		
	issues and Documentations for Faciliting of Fictival Formulations		
Unit III			
	Nutraceuticals and Formulation with its Origin		
5.	Nutraceuticals—Herbal-based Formulation	77	
	Definition, Classification, Health Benefits, Regulatory Requirements and Global Scenario of Nutraceuticals		
Unit IV			
	Herbal Cosmetics and Formulation with its Origin		
6.	Cosmeceuticals—Herbal-based Cosmetic Preparation	99	
	Definition, Classification, Health Benefits of Cosmeceuticals, Regulatory Requirement and Global Scenario of Cosmeceuticals		

Unit V		
Evaluation, Status, Bioavailability and		
Pharmacovigilance of Herbal Formulation		
7. Evaluation of Quality, Efficacy and Safety of Herbal Formulation Quality Consideration, Efficacy Assessment, Safety Concern of Herbal Formulation	117	
8. Status of Herbal Formulation Trading, Export and Import, Indian Scenario and Global Market of Herbal Formulation	138	
9. Herbal Drugs Commonly Used for Formulation Developments	144	
Drug Name, Active Constituents and Pharmacological Efficacy		
10. Bioavailability of Herbals	231	
Definition, Mechanism of Action, Ideal Property of Bioenhancer Herbs, its Source, Mechanism and their Dose as Bioenhancers		
11. Pharmacovigilance of Herbal Medicines Definition, Challenges in Monitoring Safety of Herbal Medicines, Pharmacovigilance and WHO Drug Monitoring Program	239	
Unit VI		
Traditional Medicinal Remedies		
12. Frameworks of Major Botanical Medicines, with the Preferred Forms and Methods of their Preparations, Strengths, and Usage with Organ System Energetics	248	
Unit VII		
Development of Herbal Drugs Using Artifical Intelligence and Studies of Herb-drug Interactions		
13. Herb-drug Interactions: Clinical Importance Introduction, Reasons for Herb-drug Interaction, Mechanism of Herb-drug Interaction, Mechanisms of Herb-drug interactions, Types of Herb-drug Interaction, Herbal Compounds Absorption, Distribution, Metabolism, and Excretion, Regulatory Aspects of Herb-drug interactions, Factors Affecting Pharmacokinetics of Herbal Formulations	258	
14. Artificial Intelligence in Herbal Drug Discovery and Development Introduction, Drug Discoveries from Natural Resources and Artificial Intelligence, Innovations for Novel Drug Discovery Using Natural Products in Current Era, Novel Technologies in Multidisciplinary Approach to Natural Products Drug Discovery, Artificial Intelligence-based Technology in Herbal Medicine Discovery and Development	272	
Bibliography		
Index	287	