

Contents

Preface.....	(v)
Acknowledgement.....	(vii)

Chapter 1: Cosmetics in Use

1.1 Background	1
1.2 Abstract	2
1.3 Introduction	3
1.3.1 General Use of Cosmetics	5
1.4 Products Classified as Cosmetics.....	10
1.5 Safety Issues of Cosmetics	25
1.6 Skin and other Sensitivity Issues of Cosmetics.....	28
1.7 Natural Products for Cosmetic Uses	29
1.8 Targeted Cosmetics.....	31
1.9 Cosmetics Vehicles	33
1.10 Cautions with Sensitive Skin in using Regular Skin Care Cosmetics.....	34
1.11 Cosmetics Regulations	35
<i>Epilogue</i>	36
<i>Summary</i>	37
<i>Abbreviations</i>	37
<i>Bibliography and Webliography</i>	38

Chapter 2: Skin Creams

2.1 Background	51
2.2 Abstract	52
2.3 Introduction	54
2.3.1 Skin Care Procedures and Skin Care Products.....	54
2.3.2 Maintaining the Functional Integrity of the Stratum Corneum	55

2.4	Types of Skin Creams	56
2.4.1	Cleansing Creams	57
2.4.2	Cold Cream	63
2.4.3	Night Creams	71
2.4.4	Massage Creams.....	77
2.4.5	Vitamins used in Skin Creams.....	80
2.4.6	Moisturizer	81
2.4.7	Vanishing and Foundation Cream	88
2.4.8	Hand and Body Creams (All Purpose Creams)	91
	<i>Epilogue</i>	91
	<i>Summary</i>	92
	<i>Abbreviations</i>	92
	<i>Bibliography and Webliography</i>	92

Chapter 3: Skin Lightening and Management of Hyperpigmentation

3.1	Background	109
3.2	Abstract	110
3.3	Introduction	112
3.4	Global Demand for Skin Lightening.....	113
3.5	Skin Brightening vs. Lightening vs. Whitening	114
3.6	Skin Pigmentation	115
3.7	Regulation of Skin Pigmentation	119
3.8	Skin Whiteners	121
3.8.1	Tyrosinase Inhibition	124
3.8.2	Blocking of Melanosome Transfer.....	145
3.8.3	Accelerating Epidermal Desquamation and Melanin Turn Over	151
3.9	Dark Side of Whiteners	170
	<i>Epilogue</i>	173
	<i>Summary</i>	174
	<i>Abbreviations</i>	174
	<i>Bibliography and Webliography</i>	175

Chapter 4: Skin Aging and Modern Age Anti-Aging Strategies

4.1 Background 197

4.2 Abstract 198

4.3 Introduction 200

4.4 The Aging Processes 201

4.5 Factors Involved in Skin Aging..... 202

 4.5.1 Photodamage 203

 4.5.2 Environmental Factors beyond UV Radiation 207

 4.5.3 Lifestyle-related Factors 208

 4.5.4 Systemic Morbidities 210

 4.5.5 Hormone and Metabolic Processes..... 214

 4.5.6 Other Intrinsic Issues of Aging..... 216

4.6 Skin Aging Prevention and Therapy 217

 4.6.1 Cosmetological Care 218

 4.6.2 Topical Anti-Aging Preparations 222

 4.6.3 Systemic Anti-Aging Preparations 240

Epilogue 250

Summary..... 251

Abbreviations..... 251

Bibliography and Webliography 252

Chapter 5: Sunscreen and Suntan Preparations

5.1 Background 275

5.2 Abstract 276

5.3 Introduction 277

5.4 Positive Effects of UVR 279

5.5 Sunburn 280

 5.5.1 Sunburn and Sunscreen Facts 280

 5.5.2 Sunburn: Pathophysiology 282

 5.5.3 Photoaging 287

 5.5.4 Sunburn Home Remedies and Treatment..... 293

 5.5.5 Medication Responsible for
 Increase Skin Sensitivity to Sunlight 295

 5.5.6 Tanning/Pigmentation with or
 without Sun Exposure 297

 5.5.7 The Sun Care Industry 302

5.6	Classification of Sunscreens	302
5.6.1	FDA approved Sunscreen Ingredients: Literature Review.....	304
5.7	Sunscreen Formulation	317
5.8	Sunscreen Vs Coral Reef.....	320
	<i>Epilogue</i>	321
	<i>Summary</i>	322
	<i>Abbreviations</i>	322
	<i>Bibliography and Weblibliography</i>	323

Chapter 6: Face Powders: Functional Uses and Formulations

6.1	Background	339
6.2	Abstract	345
6.3	Introduction	345
6.3.1	Functional Use of Face Powder	347
6.3.2	Essential Properties of a Good Face Powder.....	350
6.3.3	Choosing Right Face Powder	350
6.3.4	Types of Face Powder.....	351
6.3.5	Ingredients used in Face Powders.....	354
6.3.6	Covering Power	354
6.3.7	Absorbency.....	359
6.3.8	Evaluation of Powders.....	367
6.3.9	Regulatory Requirements.....	369
	<i>Epilogue</i>	370
	<i>Summary</i>	371
	<i>Abbreviations</i>	371
	<i>Bibliography and Weblibliography</i>	371

Chapter 7: Acne Protection

7.1	Background	381
7.2	Abstract	382
7.3	Introduction	384
7.3.1	Etiology.....	385
7.3.2	Epidemiology	387

7.3.3 Clinical Diagnosis	392
7.3.4 Acne Scars.....	396
7.3.5 Psychological Impact of AV	398
7.3.6 Acne Management	398
7.3.7 Acne Prevention	400
7.3.8 Topical Drugs	403
7.3.9 Laser Therapy	423
<i>Epilogue</i>	425
<i>Summary</i>	426
<i>Abbreviations</i>	426
<i>Bibliography and Webliography</i>	426