Handbook Of Cosmetic Science And Technology Third Edition

Produce new breakthroughs in anti-aging products
This text defines what constitutes cosmeceuticals and discusses various classes of products, from anti-ageing skin care and repair, anti-acne, and hair-growth compounds to agents for treating skin infections, rashes and irritations.
Cosmeceuticals are the latest additions to the health industry and have an ever-expanding market. They are considered to be a marriage between cosmetics and drugs and are defined as preparations applied on the body that may modify the physiological functions of the skin. However, as more cosmeceuticals are being launched in the market and more types of drugs are incorporated into the formulation, the composition of cosmeceuticals is becoming more complex. Handbook of Cosmeceutical Excipients and their Safeties summarises the current evidence relating to cosmeceuticals' side effects and highlights the important information that practitioners and consumers need to know, as well as ways to avoid the adverse effects of the excipients. Handbook of Cosmeceutical Excipients and their Safeties includes chapters covering topics such as the history of cosmeceuticals and the laws that regulate them, skin permeation, carcinogenicity as a systemic adverse effect and dermatitis as a topical adverse effect. It concludes with an appendix that gives brief information on the potency and permeability of common ingredients in cosmeceuticals. The appendix aims to highlight the maximum allowable quantity of each ingredient to ensure product safety for consumers. The appendix was prepared by compiling the ingredients of 257 products containing more than 500 compounds, collected from a hospital pharmacy in Singapore. Focuses on the practical aspect of adverse effects from cosmeceuticals Explains the regulatory framework of cosmeceuticals Gives an idea of how excipients and drugs in cosmeceuticals enter the skin and methods of control
Specifically written to meet the needs of the cosmetic chemist and engineer, this reference outlines the latest technologies and issues pertinent to the development novel skin care products including advances in formulation and development, raw materials and active ingredients, compound testing, and clinical assessment. Organized by product category, then by body application area, this guide supplies all one needs to know to create effective skin care products for men and women in a diverse range of ethnic populations.
Cosmetics have been in utilization for more than thousands years. More commonly known as make- up, it includes a host of skin products like foundation, lip colors etc. The international market for skincare and color cosmetics surpassed a sale of 53 billion dollars in 2002. The quantity and number of latest products brought to market both nationally and internationally continues to develop at a fast pace. Cosmetic chemists all the time are looking for attractive and striking material that enhances skin's appearance and healthiness. A huge collection of compounds is required to supply these products. The newest edition of the Cosmetics Toiletries and Fragrance Association (CTFA) Dictionary displays more than 10,000 raw materials and the list continues to increase with every year hundreds of new ingredients being added. The cosmetic chemistry has encompasses a vast area of study and one such is Herbal Cosmetics. Herbal cosmetics are the product of cosmetic chemistry, a science that combines the skills of

specialists in chemistry, physics, biology, medicine and herbs. Since cosmetics are applied mostly to the skin, hair and nails, a brief description of the anatomy of these is desirable. Herbal cosmetic major users are girls and women who are very much peculiar about their skin type and requirement. Synthetic cosmetic being harsh and prone to more side- effects, herbal cosmetic is quickly replacing it and gaining a lot of popularity. As a result it has created an enormous market for itself both domestic as well as export market. Herbal Cosmetics Handbook has been featured as best seller. The book contains formulae, manufacturing processes of different herbal cosmetics like cosmetics for skin, nails, hair etc. It also covers analysis method of cosmetics, toxicity and test method. Some of the chapters of the book are: Classification of cosmetics Economic aspects, Cosmetic Emulsions, Cosmetics for the skin, Cosmetic Creams, Lubricating or Emollient Creams-Night Creams, Skin Protective and Hand Creams, Vanishing Creams-Foundation Creams, Liquid Creams, Cosmetic Lotions, Hand Lotions, Skin Toning Lotions-Skin Fresheners, Astringent Lotions, Hair Tonics and many more. The book will render useful purpose for new entrepreneurs, technologists, professionals, researchers and for those who want to extend their knowledge in the said field.

Handbook of Cosmetic Science and Technology, Fourth EditionCRC Press

Cosmetic composition and formulation are becoming increasingly complex, and cosmetic ingredients more sophisticated and functional, while laws and regulations impose more constraints on the cosmetic scientist and manufacturer. Cosmetics are unique products, as diverse as foods without the practical limits of controlled shelf lives; they overlap with drugs but without the near sterile manufacturing systems enjoyed by that category of product. The Handbook of Cosmetic Science and Technology reviews in a single volume the multiple facets of the cosmetic field and provides the reader with an easy-to-access information source. This handbook covers topics as varied as the physiology of the potential targets of cosmetics, safety, legal and regulatory considerations throughout the world, cosmetic ingredients, vehicles and finished products, and new delivery systems, as well as microbiology and safety and efficacy testing. The purpose of this text is to share the unique knowledge of a small group of cosmetic and cover all aspects that are critical to providing consumers with safe products in a focused discussion that allows immediate application.

Written by experienced and internationally renowned contributors, this is the fourth edition of what has become the standard reference for cosmetic scientists and dermatologists seeking the latest innovations and technology for the formulation, design, testing, use, and production of cosmetic products for skin, hair, and nails. New to this fourth edition are chapters on dermatocosmetic vehicles, surface film, causes and measurement of skin aging, make-up products, skin healing, cosmetics in sports, cosmetotextiles, nutricosmetics, natural ingredients, cosmeceuticals, and regulatory vigilance.

This second edition has been designed to monitor the progress in develop ment over the past few years and to build on the information given in the first edition. It has been extensively revised and updated. My thanks go to all who have contributed to this work. D.F.W. May 1996 Preface to the first edition This book is the result of a group of development scientists feeling that there was an urgent need for a reference work that would assist chemists in understanding the science involved in the development of new

products. The approach is to inform in a way that allows and encourages the reader to develop his or her own creativity in working with marketing colleagues on the introduction of new products. Organised on a product category basis, emphasis is placed on formulation, selection of raw materials, and the technology of producing the products discussed. Performance considerations, safety, product liability and all aspects of quality are covered. Regulations governing the production and sale of cosmetic products internationally are described, and sources for updated information provided. Throughout the book, reference is made to consumer pressure and environmental issues-concerns which the development scientist and his or her marketing counterpart ignore at their own, and their employer's peril. In recent years, many cosmetic fragrances and toiletry products have been converted from aerosols to mechanically press uri sed products or sprays, and these are described along with foam products such as hair conditioning mousses.

Analysis of Cosmetic Products, Second Edition advises the reader from an analytical chemistry perspective on the choice of suitable analytical methods for production monitoring and quality control of cosmetic products. This book helps professionals working in the cosmetic industry or in research laboratories select appropriate analytical procedures for production, maintain in-market quality control of cosmetic products and plan for the appropriate types of biomedical and environmental testing. This updated and expanded second edition covers fundamental concepts relating to cosmetic products, current global legislation, the latest analytical methods for monitoring and quality control, characterization of nanomaterials and other new active ingredients, and an introduction to green cosmetic chemistry. Provides comprehensive coverage of the specific analytical procedures for different analytes and cosmetic samples Includes information on the biomonitoring of cosmetic ingredients in the human body and the environment Describes the most recent developments in global legislation governing the cosmetics industry Introduces green technologies and the use of nanomaterials in the development and analysis of cosmetic ingredients

Edited by a team of experienced and internationally renowned contributors, the updated Third Edition is the standard reference for cosmetic chemists and dermatologists seeking the latest innovations and technology for the formulation, design, testing, use, and production of cosmetic products for skin, hair, and nails. New features in the Third Edition: 39 new chapters reorganized by skin functions descriptions of ingredients, products, efficacy measurement, and mechanisms in each chapter revised chapters on skin types, skin perception, and targeted products new chapters on skin aging and cosmetics for the elderly strong emphasis on testing and current methods used for testing, and the evolution of instruments for skin and hair testing new ingredients, delivery systems, and testing methodologies information on skin physiology and cosmetic product design interactions affecting and attributed to cosmetic products cosmetic ingredients, vehicles, and finished products difference between pure cosmetics for enhancement and cosmetics used to treat high quality standards in cosmetic products that improve appearance, protect their targets, and maintain natural functions

Balanced coverage of natural cosmetics, and what it really means to be "green" The use of natural ingredients and functional botanical compounds in cosmetic products is on the rise. According to industry estimates, sales of natural personal care products

have exceeded $7 billion in recent years. Nonetheless, many misconceptions about natural products—for instance, what "green" and "organic" really mean—continue to exist within the industry. Formulating, Packaging, and Marketing of Natural Cosmetic Products addresses this confusion head-on, exploring and detailing the sources, processing, safety, efficacy, stability, and formulation aspects of natural compounds in cosmetic and personal care products. Designed to provide industry professionals and natural product development experts with the essential perspective and market information needed to develop truly "green" cosmetics, the book covers timely issues like biodegradable packaging and the potential microbial risks they present, the use of Nuclear Magnetic Resonance (NMR) to identify biomarkers, and chromatographic methods of analyzing natural products. A must-read for industry insiders, Formulating, Packaging, and Marketing of Natural Cosmetic Products provides the reader with basic tools and concepts to develop naturally derived formulas.

Interest in the molecular and mechanistic aspects of cosmetic research has grown exponentially during the past decade. Herbal Principles in Cosmetics: Properties and Mechanisms of Action critically examines the botanical, ethnopharmacological, phytochemical, and molecular aspects of botanical active ingredients used in cosmetics. Along with dermato

First Published in 2018. Routledge is an imprint of Taylor & Francis, an Informa company.

Become an empowered skincare consumer and uncover your best skin SkInformation is a must-have handbook for the skin-savvy woman who wants to cut through the hype and choose the best for her skin. Cosmetics companies will tell you anything to convince you to buy their latest skincare lines. Millions of women fall for these marketing campaigns designed to look like science – potentially to the detriment of their skin (not to mention bank accounts!). Cosmetic chemist and educator Terri Vinson exposes the misinformation and ‘white noise’ about miracle products and ingredients, debunks current skin ‘mythology’ and empowers you to make your own smart skin choices. If you have an interest in skin health and want to understand the science behind the cosmetics you purchase, this book will take you to the next level of understanding and make you a truly informed consumer. SkInformation is written in an easy to digest manner so you don't need to be a science graduate to understand it.From sunscreen and mineral formulas to skin-friendly nutrition and lifestyle tips, SkInformation covers everything you need to know about your skin. You’ll also find special sections on the skin issues that matter most to you. Terri Vinson covers acne, skin aging, enlarged pores and many other concerns, teaching you the scientific explanations of these phenomena and explaining which skincare products really work – and why they work. Use this new knowledge to amp up your skincare regime and cut out the products that don’t serve you. Familiarise yourself with the basic science of skin, including how essential skincare products work Become an empowered reader of labels to avoid harmful ingredients and marketing hype Improve your skin and guard against aging with diet and lifestyle tips from a cosmetic chemist Discover the skincare routine that will work best for

your unique skin challenges For ladies (and gents) who love to learn, this book goes beyond the average beauty and skincare advice guide, diving into skin conditions and concerns in a way that anyone can appreciate and enjoy!
Hydrocolloids are among the most widely used ingredients in the food industry. They function as thickening and gelling agents, texturizers, stabilisers and emulsifiers and in addition have application in areas such as edible coatings and flavour release. Products reformulated for fat reduction are particularly dependent on hydrocolloids for satisfactory sensory quality. They now also find increasing applications in the health area as dietary fibre of low calorific value. The first edition of Handbook of Hydrocolloids provided professionals in the food industry with relevant practical information about the range of hydrocolloid ingredients readily and at the same time authoritatively. It was exceptionally well received and has subsequently been used as the substantive reference on these food ingredients. Extensively revised and expanded and containing eight new chapters, this major new edition strengthens that reputation. Edited by two leading international authorities in the field, the second edition reviews over twenty-five hydrocolloids, covering structure and properties, processing, functionality, applications and regulatory status. Since there is now greater emphasis on the protein hydrocolloids, new chapters on vegetable proteins and egg protein have been added. Coverage of microbial polysaccharides has also been increased and the developing role of the exudate gums recognised, with a new chapter on Gum Ghatti. Protein-polysaccharide complexes are finding increased application in food products and a new chapter on this topic as been added. Two additional chapters reviewing the role of hydrocolloids in emulsification and their role as dietary fibre and subsequent health benefits are also included. The second edition of Handbook of hydrocolloids is an essential reference for post-graduate students, research scientists and food manufacturers. Extensively revised and expanded second edition edited by two leading international authorities Provides an introduction to food hydrocolliods considering regulatory aspects and thickening characteristics Comprehensively examines the manufacture, structure, function and applications of over twenty five hydrocolloids
Designed as an educational and training text, this book provides a clear and easily understandable review of cosmetics and over the counter (OTC) drug-cosmetic products. The text features learning objectives, key concepts, and key terms at the beginning and review questions and glossary of terms at the end of each chapter section. • Overviews functions, product design, formulation and development, and quality control of cosmetic ingredients • Discusses physiological, pharmaceutical, and formulation knowledge of decorative care products • Reviews basic terms and definitions used in the cosmetic industry and provides an overview of the regulatory environment in the US • Includes learning objectives, key concepts, and key terms at the beginning and review questions and glossary of terms at the end of each chapter section • Has PowerPoint slides

as ancillaries, downloadable from the book's wiley.com page, for adopting professors

Recent advances in our understanding of the development and morphology of normal skin have led to improved methods to deliver therapeutic compounds to selected targeted areas both within the skin and systemically. This reference provides a clear overview of pharmaceutical and cosmetic practices, drugs, and therapies to manage and treat major and mi

Cosmetics are the most widely applied products to the skin and include creams, lotions, gels and sprays. Their formulation, design and manufacturing ranges from large cosmetic houses to small private companies. This book covers the current science in the formulations of cosmetics applied to the skin. It includes basic formulation, skin science, advanced formulation, and cosmetic product development, including both descriptive and mechanistic content with an emphasis on practical aspects. Key Features: Covers cosmetic products/formulation from theory to practice Includes case studies to illustrate real-life formulation development and problem solving Offers a practical, user-friendly approach, relying on the work of recognized experts in the field Provides insights into the future directions in cosmetic product development Presents basic formulation, skin science, advanced formulation and cosmetic product development

Novel delivery systems designed to facilitate the use of ôfountain of youthö and other functional actives is an idea whose time has come. In a rapidly growing global market eager for products that really work, accelerating market pull forces and technology push have set the stage for this foundation text. This ômust haveö book has been carefully designed for training, development and synergistic technology transfer across the personal care, cosmetic and pharmaceutical industries. It is not only intended for scientists and technologists but will also be of high interest to market development and business personnel. This book will cause a breakthrough in effective interaction among technology and marketing. It is a showcase for understanding, using and marketing the technology of why and how delivery systems work as well as current, emerging/potential applications and working formulations. Each chapter is written by one or more experts in the field. A wide range of companies serving the global marketplace are represented. These companies offer numerous types of delivery systems containing highly desirable functional actives, delivery system technology development services, and opportunities for technology licensing, mergers and acquisitions. A unique feature of the book is the use of Mind MapÖ technology to capture and present the essence of the thinking of over 80 authors in a ôBook-at-a-Glanceö Executive Overview section. This section has been specifically designed to empower decision making leading to the development of innovative product differentiation in a global context.

This state-of-the-art reference provides comprehensive multidisciplinary coverage of the most recent information on cosmetic ingredients, finished

products, target organs, delivery systems, and current technology in safety, toxicology, and dermatological testing. Discussing modern innovations such as active cosmetics for the hair, skin, and teeth, the Handbook of Cosmetic Science and Technology highlights Cosmetics for infant and elderly consumers The formulation of skin cleansing products New delivery systems, including cosmetic patches and iontophoresis The anatomy and physiology of body targets for cosmetics Principles and mechanisms of unwanted reactions to cosmetics With contributions by more than 100 leading experts in the field, the Handbook of Cosmetic Science and Technology is an essential tool for cosmetic, fragrance, pharmaceutical, organic, medicinal, physical, surface, colloid, and detergent chemists and biochemists; dermatologists; toxicologists and microbiologists; skin physiologists; and upper-level undergraduate and graduate students in these disciplines.

This updated edition provides research scientists, microbiologists, process engineers, and plant managers with an authoritative resource on basic microbiology, manufacturing hygiene, and product preservation. It offers a contemporary global perspective on the dynamics affecting the industry, including concerns about preservatives, natural ingredients, small manufacturing, resistant microbes, and susceptible populations. Professional researchers in the cosmetic as well as the pharmaceutical industry will find this an indispensable textbook for in-house training that improves the delivery of information essential to the development and manufacturing of safe high-quality products

CRC Handbook of Food, Drug, and Cosmetic Excipients provides a comprehensive summary of toxicological issues regarding inactive ingredients in pharmaceutical products, cosmetic products, and food additives. Background information on regulations and labeling requirements for each type of product is provided, and 77 articles critically review human and animal data pertinent to a variety of agents and makes judgments regarding the clinical relevance. The book also identifies at-risk populations, such as neonates, patients with renal failure, and atopic patients. Inactive common pharmaceutical agents and/or foods containing certain ingredients are listed to help physicians counsel hypersensitive patients who must avoid products containing these excipients.

Welcome to this ‘novice’s guide’. At last a book that explains the real science behind the cosmetics we use. Taking a gentle approach and a guided journey through the different product types, we discover that they are not as superficial as often thought and learn that there is some amazing science behind them. We shall uncover some of the truths behind the myths and point out some interesting facts on our way. Did you know? Vitamin E is the world’s most used cosmetic active ingredient. At just 1mm thick, your amazing skin keeps out just about everything it’s exposed to – including your products! A ‘chemical soup’ of amino acids, urea, mineral salts and organic acids act as ‘water magnets’ in the skin keeping it naturally moisturised. Discovered centuries ago, iron oxides (yes, the same chemicals as rust) are still commonly used inorganic pigments in foundations. A lipstick is a fine balance of waxes, oils and colourants to keep the stick stable and leave an even gloss on your lips.

Since publication of the Second Edition in 1989, numerous innovations have occurred that affect the way scientists look at issues in the field of percutaneous absorption. Focusing on recent advances as well as updating and expanding the scope of topics covered in the previous edition, Percutaneous Absorption, Third Edition provides thorough coverage of the skin's role as an important portal of entry for chemicals into the body. Assembles the work of nearly 80 experts-30 more than the Second Edition-into a unified, comprehensive volume that contains the latest ideas and research! Complete with nearly 600 drawings, photographs,

equations, and tables and more than 1600 bibliographic citations of pertinent literature, Percutaneous Absorption, Third Edition details the applied biology of percutaneous penetration factors that affect skin permeation, such as age, vehicles, metabolism, hydration of skin, and chemical structure in vivo and in vitro techniques for measuring absorption, examining factors influencing methodology such as animal models, volatility of test compound, multiple dosage, and artificial membranes procedures for use in transdermal delivery, exploring topics such as effects of penetration enhancers on absorption, optimizing absorption, and the topical delivery of drugs to muscle tissue And presents new chapters on mathematical models cutaneous metabolism prediction of percutaneous absorption in vitro absorption methodology dermal decontamination concentration of chemicals in skin transdermal drug delivery mechanisms of absorption safety evaluation of cosmetics absorption of drugs and cosmetic ingredients nail penetration Emphasizes human applications-particularly useful for pharmacists, pharmacologists, dermatologists, cosmetic scientists, biochemists, toxicologists, public health officials, manufacturers of cosmetic and toiletry products, and graduate students in these disciplines! An invaluable reference source for readers who need to keep up with the latest developments in the field, Percutaneous Absorption, Third Edition is also an excellent experimental guide for laboratory personnel.

The Handbook of Cosmetic Science & Technology has been produced as a comprehensive foundation covering all aspects of this important discipline. It is unique in that it includes sections on quality assurance, total quality management and the ISO 9001 regulations. Also, the Handbook will be of benefit to technical and non–technical people alike – as a standard reference tool or an introduction to the science and technology involved.

Cosmetic science covers the fields from natural sciences to human and social sciences, and is an important interdisciplinary element in various scientific disciples. New Cosmetic Science is a completely updated comprehensive review of its 35 year old counterpart Cosmetic Science. New Cosmetic Science has been written to give as many people as possible a better understanding of the subject, from scientists and technologists specializing in cosmetic research and manufacturing, to students of cosmetic science, and people with a wide range of interests concerning cosmetics. The relationship between the various disciplines comprising cosmetic science, and cosmetics, is described in Part I. In addition to discussing the safety of cosmetics, the "Usefulness of Cosmetics", rapidly becoming an important theme, is described using research examples. The latest findings on cosmetic stability are presented, as are databases, books and magazines, increasingly used by cosmetic scientists. Part II deals with cosmetics from a usage viewpoint, including skin care cosmetics, makeup cosmetics, hair care cosmetics, fragrances, body cosmetics, and oral care cosmetics. Oral care cosmetics and body cosmetics are presented with product performance, types, main components, prescriptions and manufacturing methods described for each item. This excellent volume enlightens the reader not only on current cosmetics and usage, but indicates future progress enlarging the beneficial effects of cosmetics. Products with better pharmaceutical properties (cosmeceuticals), working both physically and psychologically, are also highlighted.

Ranging from studies on the structure and function of the skin to research on a wide array of cosmetic compounds, this Second Edition updates readers on the latest regulatory guidelines, new cosmetic ingredients, state-of-the-art safety assessment technologies, and anticipated trends in the market-keeping pace with rapid advancements in chemistry, physics, biology, cosmetology, and toxicology to stand alone as the foremost guide to the subject.

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A republication of the early 1900s edition. This vintage book's contents include practical advice on the various methods and materials used to make many types of cosmetics. Contents include: Face Powder; Lotions (Including a Skin Tonic - An Astringent - A Muscle Oil - A Liquid Powder); Olis & Fats - A Cleansing Cream - A Skin Food - A Pore Cream; Vanishing Creams; Powder Cream - Waterproof Cream - Foundation Cream; Rouges - Eye Shadows; Nail Polishing Pastes - Varnishes and Laquers and much more. Many vintage books such as this are becoming increasingly scarce and expensive. We are republishing this book now in an affordable, high-quality, modern edition.

Cosmetic Science and Technology: Theoretical Principles and Applications covers the fundamental aspects of cosmetic science that are necessary to understand material development, formulation, and the dermatological effects that result from the use of these products. The book fulfills this role by offering a comprehensive view of cosmetic science and technology, including environmental and dermatological concerns. As the cosmetics field quickly applies cutting-edge research to high value commercial products that have a large impact in our lives and on the world's economy, this book is an indispensable source of information that is ideal for experienced researchers and scientists, as well as non-scientists who want to learn more about this topic on an introductory level. Covers the science, preparation, function, and interaction of cosmetic products with skin Addresses safety and environmental concerns related to cosmetics and their use Provides a graphical summary with short introductory explanation for each topic Relates product type performance to its main components Describes manufacturing methods of oral care cosmetics and body cosmetics in a systematic manner

Formulations starts with a general introduction, explaining interaction forces between particles and droplets, self-assembly systems, polymeric surfactants and nanoemulsions. The second part covers the industrial examples ranging from foams, soaps over to hair care, sunscreen and make-up products. Combines information needed by formulation chemists as well as researchers in the cosmetic industry due the increasing number of products.

Today, young cosmetics researchers who have completed their graduate studies and have entered a cosmetics company are put through several years of training before they become qualified to design cosmetics formulations themselves. They are trained so that they can design formulas not by a process of logic but by heart, like craftsmen, chefs, or carpenters. This kind of training seems a terrible waste of labor and time. To address this issue and allow young scientists to design novel cosmetics formulations, effectively bringing greater diversity of innovation to the industry, this book provides a key set of skills and the knowledge necessary for such pursuits. The volume provides the comprehensive knowledge and instruction necessary for researchers to design and create cosmetics products. The book’s chapters cover a comprehensive list of topics, which include, among others, the basics of cosmetics, such as the raw materials of cosmetics and their application; practical techniques and technologies for designing and manufacturing cosmetics, as well as theoretical knowledge; emulsification; sensory evaluations of cosmetic ingredients; and how to create products such as soap-based cleansers, shampoos, conditioners, creams, and others. The potential for innovation is great in Japan’s cosmetics industry. This book expresses the hope that the high level of dedicated research continues and proliferates, especially among those who are innovators at heart.

The conceptualization and formulation of skin care products intended for topical use is a multifaceted and evolving area of science. Formulators must account for myriad skin types, emerging opportunities for product development as well as a very temperamental retail market. Originally published as "Apply Topically" in 2013 (now out of print), this reissued detailed and comprehensive handbook offers a practical approach to the formulation chemist's day-to-day endeavors by: Addressing the innumerable challenges facing the chemist both in design and at

the bench, such as formulating with/for specific properties; formulation, processing and production techniques; sensory and elegancy; stability and preservation; color cosmetics; sunscreens; Offering valuable guidance to troubleshooting issues regarding ingredient selection and interaction, regulatory concerns that must be addressed early in development, and the extrapolation of preservative systems, fragrances, stability and texture aids; Exploring the advantages and limitations of raw materials; Addressing scale-up and pilot production process and concerns; Testing and Measurements Methods. The 22 chapters written by industry experts such as Roger L. McMullen, Paul Thau, Hemi Nae, Ada Polla, Howard Epstein, Joseph Albanese, Mark Chandler, Steve Herman, Gary Kelm, Patricia Aikens, and Sam Shefer, along with many others, give the reader and user the ultimate handbook on topical product development.

Handbook of Cosmetic Science: An Introduction to Principles and Applications is a guidebook that aids in addressing several areas of concerns in cosmetic science. The book is comprised of 24 chapters that cover the wide spectrum of issues in cosmetics, from application of products up to the proper handling and packaging of cosmetic products. The text first discusses the importance of the body surfaces to which perfumes and cosmetics are applied such as the skin, hair, and teeth. Next the book deals with the chemistry of the raw materials that are processed in the cosmetics industry. The next chapters cover the formulation, production, and packaging of cosmetic products, along with product evaluation and measures to prevent damage to the goods. The text will be of great use to individuals involved in the research, development, production, and application of cosmetic products.