

Evaluation Of Sunscreen Products

From listing the steps involved in a sensory evaluation project to presenting advanced statistical methods, *Sensory Evaluation Techniques, Fourth Edition* covers all phases of sensory evaluation. Like its bestselling predecessors, this edition continues to detail all sensory tests currently in use, to promote the effective employment of these tests, and to describe major sensory evaluation practices. The expert authors have updated and added many areas in this informative guide. New to this edition are expanded chapters on qualitative and quantitative consumer research and the Spectrum™ method of descriptive sensory analysis that now contains full descriptive lexicons for numerous products, such as cheese, mayonnaise, spaghetti sauce, white bread, cookies, and toothpaste. Also new in this chapter is a set of revised flavor intensity scales for crispness, juiciness, and some common aromatics. The book now includes an overview of Thurstonian scaling that examines the decision processes employed by assessors during their evaluations of products. Another addition is a detailed discussion of data-relationship techniques, which link data from diverse sources that are collected on the same set of examples. With numerous examples and sample tests, *Sensory Evaluation Techniques, Fourth Edition* remains an essential resource that illustrates the development of sensory perception testing.

Dermatoanthropology of Ethnic Skin and Hair is a comprehensive text that extensively examines cutaneous disease in persons with skin of color. The breadth of knowledge in this book encompasses the wide scope of dermatologic disease with 26 distinct and unique chapters. It serves as a guide to the diagnosis and treatment of skin disorders for those populations with darker skin types. Vashi and Maibach's *Dermatoanthropology of Ethnic Skin and Hair* provides an overview of medical, surgical, and cosmetic dermatology in addition to providing an extensive anthropological and basic science background to fully understand skin disorders in persons of color. Topics of discussion include anthropology of skin and hair, biophysical properties of ethnic skin, structure and function of the skin, physiologic pigmentation, mucosal lesions, acne, rosacea, inflammatory disorders, infections, autoimmune disorders, connective tissue disease, hyperpigmentation, hypopigmentation and depigmentation, keloids, scarring, pediatric disease, alopecias, adnexal disorders, common cosmetic concerns and treatments, and cultural considerations.

Back for a new edition, Zoe Draelos' outstanding resource to cosmetic dermatology again provides a highly-illustrated, clinical guide to the full range of cosmetic skin treatments. Bringing together experts from research, industry, surgery and practice, it is structured in four distinct parts for easy navigation by the busy clinician: Basic Concepts - giving an overview of the physiology pertinent to cosmetic dermatology and the delivery systems by which treatments can take effect; Hygiene Products - evaluating cleansing and moisturising products; Adornment - looking at aesthetic techniques such as cosmetics, nail protheses and hair treatment; Antiaging - ie, injectables, resurfacing and skin contouring techniques, and the rapidly growing area of Cosmeceuticals. With over 300 high-quality images and key summary boxes throughout, this new edition incorporates the newest procedural innovations in this rapidly developing field. Perfect for all dermatologists, especially those specialising in cosmetic dermatology and whether hospital-based or in private practice, it provides the complete cosmetic regimen for your patients and will be an indispensable tool to consult over and over again.

The most comprehensive and up-to-date compilation of data on every ultraviolet filter approved for sunscreen use worldwide. All UV filters approved in the United States, Canada, Europe, Japan, China, Australia, New Zealand, South Africa and South America are included. This manual includes descriptions of the three types of ultraviolet filters: organic UV absorbers, inorganic particulates and organic particulates. INCI names, USAN names, chemical and common names are cross-referenced in a handy guide. Suppliers, trade names and their addresses are included also. The *Encyclopedia of Ultraviolet Filters* also will review the current status and recent developments in the sunscreen and the ultraviolet filters industry. Updated worldwide regulations on more than 50 ultraviolet filters in use today, including:

- Quality control and testing procedures
- Sample MSDS's
- Certificates of analysis
- Specifications sheets
- Chemical structures
- Spectroscopic data
- UV absorbance (UVA, UVB or both)
- Maximum absorbance
- Extinction coefficients

Now expanded and updated to include molecular biology and genetic engineering techniques. The second edition of this successful reference book contains a comprehensive selection of the most frequently used assays for reliably detecting the pharmacological effects of potential drugs. Each of the more than 1000 assays comprises a detailed protocol outlining the purpose and rationale of the method, a critical assessment of the results and their pharmacological and clinical relevance. The enclosed and fully searchable CD ROM allows easy identification of specific tests. An appendix with up-to-date guidelines and legal regulations for animal experiments in various countries will help the reader to plan experiments more effectively.

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 elegance; 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.

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.

"ISO 24444:2010 specifies a method for the in vivo determination of the sun protection factor (SPF) of sunscreen products. This International Standard is applicable to products that contain any component able to absorb, reflect or scatter ultraviolet (UV) rays and which are intended to be placed in contact with human skin. ISO 24444:2010 provides a basis for the evaluation of sunscreen products for the protection of human skin against erythema induced by solar ultraviolet rays." -- Publisher description.

th Together with the 6 Amendment - Council Directive 93/35 EEC - to the Cosmetic Directive 76/768 EEC it was the first time that, according to Article 7b, special claims of efficacy could be legally attributed to cosmetic products but under the obligation to make evidence of the claimed effects; also an entirely new "controller" was introduced - the independent "safety assessor", This indeed means not only progress in reliable and honest marketing arguments but above all transparency as to the respective proof and thus protection of consumer's health. Such claims demand high standards in scientifically based methodology and their results in order to prove such demands evidently. There are also within the 6" Amendment to the Cosmetic Directive in Article 4a strict restrictions as to the further use of conventional animal testing for cosmetic products and their ingredients and especially for finished products. Without doubt there is a competition between the necessity and expectations on consumer health on the one hand and the requirements of acknowledged protection of animals as done in Council Directive 86/609 EEC on the other. But at least, based on the present state of knowledge, tests in human beings cannot replace animal testing in all instances. Not only ethical reasons alone prohibit or impede testing in humans but also very often the lack of knowledge on functional and/or biological processes underlying observed effects with the consequence that suitable experimental methodologies are missing.

Imaging in Dermatology covers a large number of topics in dermatological imaging, the use of lasers in dermatology studies, and the implications of using these technologies in research. Written by the experts working in these exciting fields, the book explicitly addresses not only current applications of nanotechnology, but also discusses future trends of these ever-growing and rapidly changing fields, providing clinicians and researchers with a clear understanding of the advantages and challenges of laser and imaging technologies in skin medicine today, along with the cellular and molecular effects of these technologies. Outlines the fundamentals of imaging and lasers for dermatology in clinical and research settings Provides knowledge of current and future applications of dermatological imaging and lasers Coherently structured book written by the experts working in the fields covered

Skin cancer is the most commonly diagnosed cancer in the United States, yet most cases are preventable. Every year in the United States, nearly 5 million people are treated for skin cancer, at an estimated cost of \$8.1 billion. Melanoma, the most deadly form of skin cancer, causes nearly 9,000 deaths each year. Despite recent efforts to address risk factors, skin cancer rates continue to rise. While those with lighter skin are more susceptible, anyone can get skin cancer—and it can be serious, even deadly. Almost all of the conditions can be caused by unnecessary ultraviolet (UV) radiation exposure, usually from excessive time in the sun or from the use of indoor tanning devices. It is alarming that every year, nearly one out of every three young white women aged 16–25 engages in indoor tanning. It's important to shatter the myth that tanned skin is a sign of health. And a "base" tan is not a "safe" tan. Tanned skin is damaged skin.

Understanding the risk of UV exposure is crucial to protecting ourselves and our loved ones. That is why "The Surgeon General's Call to Action to Prevent Skin Cancer" is important for all of us. It outlines action steps we can all take—as individuals, parents, educators, employers, policy makers, health care professionals, and communities—to reverse this alarming trend. As a nation, we can all do more to address skin cancer as a serious public health challenge. Everyone is urged to find out more about the risk of skin cancer—and what we all can do to prevent it.

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

The source *Dermal Absorption and Toxicity Assessment* supplies a state-of-the-art overview of the dermal absorption process, and is divided into six well organized sections. Written by internationally recognized experts in the field, this Second Edition is a complete revised and updated text, covering the wide range of methods used to assess skin ab

This book provides a comprehensive and authoritative review of the chemical analysis of UV filters in coastal waters and their impact on the marine environment. The sun care is today the most important sector within the cosmetics industry, with annual increases in sales. The main components of sunscreens, organic and inorganic UV filters, have been detected in many coastal regions, with the highest concentrations in coastal areas under high anthropogenic pressure. Moreover, these compounds have been found to be bioaccumulated in aquatic biota causing biological and toxicological responses; some organic UV filters act as endocrine disruptors in aquatic biota, affecting survival, behavior, growth, development and reproduction. On the other hand, inorganic UV filters, mainly based on nanoparticles, have been demonstrated to have various impacts on marine organisms, such as inducing oxidative stress in abalones, accumulating in microalgae, affecting the immune response in mussels, bleaching corals, and genotoxicity in fish, among others. All these effects of sunscreens on the marine environment highlight the need for more stringent and environmentally friendly regulations. This book covers the latest analytical methodologies used in assessing the impact of UV filters impact on marine waters, especially on marine biota, and also critiques the global regulation of UV filters and the environmental risk of using sunscreens. Featuring specific case studies of the environmental effects of sunscreens in the Mediterranean Sea and Hawaii, which highlight the importance of balancing human health with environmental health of coastal ecosystems, it will appeal not only to scientists and students from various disciplines (environmental chemistry, biology, ecology, biogeochemistry, fisheries and climate change among others), but also to environmental managers wanting to promote new restrictive regulations on the use of UV filters, and to professionals from the cosmetic industry interested in the development of eco-friendly sunscreens.

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

UV radiation is recognized as the major risk factor for skin cancer. For the last three decades the incidence and mortality of skin cancer have been increasing steadily in almost all parts of the world. Unfortunately, there have been very few advances in the management and treatment of skin cancer. In comparison to other malignant tumors, skin cancer offers the unique opportunity to identify this tumor at an early stage. Thus, there is strong interest in preventing death by early diagnosis and prompt treatment. The proceedings of the International Congress on Skin Cancer and UV Radiation which was held in Bochum Germany in October 1996, reflect the newest scientific standards in the field of skin cancer. The conference in Bochum was a platform for leading scientists from all over the world to discuss the complexity and diversity of UV radiation in its interaction with the skin. Starting with basic science like physiology, immunology, and molecular biochemistry of the skin as influenced by UV radiation, the book presents a profound survey into the field of skin cancer by focusing on the latest scientific results in prevention, early detection, treatment, and epidemiology. The congress in Bochum in 1996 was organized to provide a starting point for coordinated European strategies against skin cancer with internationally renowned scientists.

Covering the entire array of photodermatological topics necessary to stand at the head of this burgeoning discipline, this source contains expertly written chapters that offer recommendations and guidelines from opinion-forming international authorities. Reviewing the entire range of photodermatoses, as well as the management, treatment, and

Analysis of Cosmetic Products advises the reader from an analytical chemistry perspective on the choice of suitable analytical methods for production monitoring and quality control of cosmetic products. In the format of an easy-to-understand compendium of published literature on the subject, this book will enable people working in the cosmetic industry or in research laboratories to: * become familiar with the main legislative and analytical literature on this subject and * learn about and choose suitable analytical procedures for production monitoring and control of cosmetic products, according to their composition. The first section of *Analysis of Cosmetic Products* covers various definitions and concepts relating to cosmetic products, current legislation in different countries and specific legislation on ingredients. The central body of the book addresses analytical methods for monitoring and quality control of cosmetic products with the fundamental objective being to enable reader's access to scientific reviews carried out by experts in analytical chemistry. The final section contains a small review of the alternative methods to using animals for cosmetic product evaluation. * An essential resource for those in the cosmetic industry and research laboratories, allowing you to become familiar with the main analytical literature * Up-to-date and exhaustive overviews of current knowledge dealing with cosmetic analysis, general concepts and legislation * Including tables and figures, designed to graphically communicate important information in an easy-to-understand format

Nanotechnology is key to the design and manufacture of the new generation of cosmetics. Nanotechnology can enhance the performance and properties of cosmetics, including colour, transparency, solubility, texture, and durability. Sunscreen products, such as UV nano-filters, nano-TiO₂ and nano-ZnO particles, can offer an advantage over their traditional counterparts due to their broad UV-protection and non-cutaneous side effects. For perfumes, nano-droplets can be found in cosmetic products including Eau de Toilette and Eau de Parfum. Nanomaterials can also be used in cosmetics as transdermal drug delivery systems. By using smart nanocontainers, active compounds such as vitamins, antioxidants, nutrients, and anti-inflammatory, anti-infective agents, can be delivered effectively. These smart nanocontainers are typically related with the smart releasing property for their embedded active substances. These smart releases could be obtained by using the smart coatings as their outer nano-shells. These nano-shells could prevent the direct contact between these active agents and the adjacent local environments. *Nanocosmetics: Fundamentals, Applications and Toxicity* explores the formulation design concepts and emerging applications of nanocosmetics. The book also focuses on the mitigation or prevention of their potential nanotoxicity, potential global regulatory challenges, and the technical challenges of mass implementation. It is an important reference source for materials scientists and pharmaceutical scientists looking to further their understanding of how nanotechnology is being used for the new generation of cosmetics. Outlines the major fabrication and formulation

design concepts of nanoscale products for cosmetic applications Explores how nanomaterials can safely be used for various applications in cosmetic products Assesses the major challenges of using nanomaterials for cosmetic applications on a large scale

First published in 1995: Alternative Methodologies for the Safety Evaluation of Chemicals in the Cosmetic Industry presents a categorization and collection of information available for the evaluation of safety using in vitro techniques. It offers a comprehensive and complete look at the entire field. In doing so, the author provides the foundation for the next phase of significant growth for this discipline.

This Handbook builds on recent attempts to understand new and evolving patterns of global governance by identifying, describing, and analysing more than 80 of the most significant actors in the regulation and administration of contemporary transnational economic affairs.

Written by internationally recognized leaders, and covering all facets of photoprotection, this book summarizes the beneficial roles of photoprotection in skin cancers, photoaging, photodermatoses, autoimmune diseases, and other skin conditions. It provides an update on the current state of UV filters, boosters, photostabilizers and formulation of sunscreen, and showcases the current techniques and regulation in the evaluating of UV filters and sunscreen products. Furthermore, it discusses the role of nanotechnology, antioxidants, DNA repair technology, and oral and systemic agents in photoprotection. Each chapter encapsulates decades of clinical, research or practical experience on topics that will surely be an interest for clinicians, researchers, industry scientists, regulators, and consumers.

Skin cancer is the most common form of cancer among light-skinned populations. The chief environmental cause of skin cancer is ultraviolet radiation (UVR). UVR exposure comes mainly from the sun but over the past three decades there has been an increase in the use of artificial sources of UVR in the form of artificial tanning devices such as sunbeds stand up booths and facial tanners. This deliberate exposure to UVR for cosmetic purposes is increasing the incidence of the major types of skin cancer and driving down the age of first appearance.

Evaluation of skin penetration and sun protection factors of sunscreen products were studied. Two type of emulsions; oil in water and water in oil were used to evaluate. Both type of emulsions were the most commonly used. In this study the sunscreen emulsions were formulated by varying the concentration of various type of sunscreen agents. The emulsions were improved by incorporating the water resistant agent, 3% W/W silicone oil 350 cps, into the emulsions. All of preparation was stable, the pH was in the range of 7.0 +_ 0.5 and spread homogenously. The in vitro SPF method was determined by using SPF-290s analyzer. Results indicated that the effectiveness of the sunscreen products were depended on concentration of sunscreen agents and in depended on the type of emulsion. The water resistant agent (silicone oil viscosity 350 cps) could not significantly improve the SPF of sunscreen emulsions. The in vitro skin penetration through human skin was measured by using modified franz diffusion cell apparatus. Most of sunscreen agents was localized at stratum corneum; they could not pass into the receptor fluid. The in vivo SPF method, US-FDA method, the SPF of standard homosalate was found to be well with in the requirement of SPF 4.0, but the formulation of various concentration of sunscreen agents showed lower SPF value than the in vitro method using SPF-290s analyzer. The in vitro SPF showed low correlation with the in vivo SPF data obtained by the US-FDA method with correlation coefficient (r) = 0.5658.

The book "Nanocosmetics and nanomedicines: new approaches for skin care" contains a summary of the most important nanocarriers for skin delivery. Although "nanocosmetics" is a subject widely commented in the academy and the beauty industry, a book covering the skin care treatments using nanotechnological approaches with cosmetics and nanomedicines is still missing, therefore the need for this publication. This book is divided in three parts: The first one (Part A) is devoted to a brief review on the main topics related to the skin delivery and to the introduction of the subject "nanocosmetics". The second part (Part B) presents different types of nanocarriers applied as skin delivery systems for cosmetics or drugs. The last part (Part C) shows a wide range of applications of nanotechnology on the skin care area as well as on dermatocosmetic and dermatological fields.

The increasing number of individuals affected by sun damage has inspired cosmetic chemists to research new vehicles for improved protection against UVA and UVB rays. This volume collects the latest research and perspectives on sunscreen development, assessment, formulation, and quality control from leading authorities in academia, industry, and the regulatory and medical communities-describing the evolution, chemistry, evaluation, and regulation of sunscreens in the 21st century for improved skin protection.

Thoroughly rewritten and enlarged, this timely Second Edition of an indispensable resource provides comprehensive coverage of the most recent advances in protecting the skin from harmful ultraviolet A (UVA) and ultraviolet B (UVB) radiation.

Designed with practical usability in mind, Comprehensive Dermatologic Drug Therapy, 4th Edition, helps you safely and effectively treat the skin disorders you're likely to see in your practice. Dr. Stephen E. Wolverton and new associate editor Dr. Jashin J. Wu lead a team of global experts to bring you concise, complete guidance on today's full spectrum of topical, intralesional, and systemic drugs. You'll prescribe with confidence thanks to expert coverage of which drugs to use, when to use them, and adverse effects to monitor. Includes new drug interaction tables, drug risk profiles, and FDA guidelines, as well as two new appendices that summarize chapter questions and summarize highest-risk drug interactions. Covers the best uses for new biologic therapeutics. Contains new chapters covering medical decision-making principles, PDE-4 and JAK inhibitors, interleukin 17 inhibitors, interleukin 23 inhibitors, additional biologic therapeutics, and hedgehog pathway inhibitors. Contains quick-access summaries of indications/contraindications, dosage guidelines, drug interactions, drug monitoring guidelines, adverse effects, and treatment protocols. Features a highly detailed, disease-specific index, as well as purchase information for major drugs. Helps you assess your knowledge and prepare for certification or recertification with about 800 review questions and answers throughout the book.

This work details the consumer-guided evaluation of personal care products, outlining all the steps used in consumer testing to steer the creation of new commodities, from concept evolution and formula optimizing to final selection and positioning in the marketplace. The book shows how to find and create personal care products for consumers with defined needs, offering practical advice to the novice researcher.

"ISO 24442:2011 specifies an in vivo method for assessment of the UVA protection factor (UVAPF) of topical sunscreen products. It is applicable to cosmetics, drugs and other products intended to be topically applied to human skin, including any component able to absorb, reflect or scatter UV rays. ISO 24442:2011 provides a basis for the evaluation of sunscreen products for the protection of human skin against UVA radiation from solar or other light sources." -- Publisher description.

Master the latest medical and cosmetic procedures with Surgery of the Skin, the most comprehensive dermatological surgery resource available. Written from the surgeon's perspective, this medical reference book features step-by-step guidance on performing the most updated developments and cutting edge approaches across the entire spectrum of dermatologic surgery.

Improve surgical results and avoid pitfalls with expert, evidence-based guidance. Stay on the cutting edge with in-depth step-by-step descriptions of tumescent vertical vector facelifts, blepharoplasty, composite grafts, Botox treatments, soft tissue augmentation, management of dysplastic nevi and melanoma, and more. View immersive videos from an expanded library with

more than 130 clips totaling over six hour's footage. Explore brand-new chapters on rejuvenation of the female external genitalia; hidradenitis suppurativa; and photoaging-related mottled pigmentation. Improve treatment outcomes for patients with skin of color and gain a truly global perspective of dermatologic surgery through an expanded contributor group of leading international experts. Master how to perform cutting-edge techniques across the entire spectrum of dermatologic surgery, including botulinum toxins; fillers; cryosurgery; flaps; grafting; scar revisions; lasers; face-lift techniques; blepharoplasty techniques; Mohs surgery; and more. Effectively manage a full range of complex disorders, such as vitiligo surgery, keloids, and leg ulcers, with a unique section devoted to these special procedures. Easily visualize complex procedures and concepts with more than 1,000 illustrations, photos, and graphics. Consult this title on your favorite e-reader, conduct rapid searches, and adjust font sizes for optimal readability.

Sunscreens: Development, Evaluation, and Regulatory Aspects Second Edition, CRC Press

Ideally every patient with eczema should be patch tested and the importance of this investigation is now universally accepted. The simplicity of the technique belies its many pitfalls, the greatest being to lack the knowledge required to select the correct allergens and to interpret the results. The introduction, nearly 20 years ago, of the journal Contact Dermatitis greatly stimulated the reporting of the clinical side of contact dermatitis but a vast amount of laboratory work has also been published in other journals on the mechanisms and theory of these reactions. The literature on the subject is now quite vast and a comprehensive book on the clinical and research aspects of contact dermatitis has been sorely needed. This textbook was carefully planned to gather together what is known of the subject into a cohesive whole and it has succeeded admirably. It consists of 22 chapters written by 41 contributors, each selected for their special study of particular subjects. Every feature of contact dermatitis has been covered, beginning with its history and even concluding with the names and addresses of those worldwide who have a specific interest in the subject. The text is illustrated and well laid out; it has been broken up into clearly demarcated sections making it easy to read and its information readily accessible. One's own writing concentrates the mind but editing the texts of authors from so many different countries was a task of considerable proportions.

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