

## Handbook of essential oils : science, technology, and applications

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### Abstrak

The society looks to science to document health choices and the oils do not disappoint. This book covers various aspects of essential oils from chemistry, pharmacology, and biological activity, to production and trade, to uses and regulation. It provides information related to the development, use, and marketing of essential oils.

Contents: Introduction, K. Husnu Can Bas,er and G. Buchbauer History and Sources of Essential Oil Research, K.-H. Kubeczka Sources of Essential Oils, C. Franz and J. Novak Production of Essential Oils, E. Schmidt Chemistry of Essential Oils, C. Sell Analysis of Essential Oils, B. d'Acampora Zellner, P. Dugo, G. Dugo, and L. Mondello Safety Evaluation of Essential Oils: A Constituent-Based Approach, T.B. Adams and S.V. Taylor Metabolism of Terpenoids in Animal Models and Humans, W. Jager Biological Activities of Essential Oils, G. Buchbauer Effects of Essential Oils in the Central Nervous System Part I: Central Nervous System Effects of Essential Oils in Humans, E. Heuberger Part II: Psychopharmacology of Essential Oils, D. Savio Nunes, V. de Moura Linck, A. Lourenco da Silva, M. Figueiro, and E. Elisabetsky Phytotherapeutic Uses of Essential Oils, B. Harris In Vitro Antimicrobial Activities of Essential Oils Monographed in the European Pharmacopoeia 6th Edition, A. Pauli and H. Schilcher Aromatherapy with Essential Oils, M. Lis-Balchin Biotransformation of Monoterpenoids by Microorganisms, Insects, and Mammals, Y. Noma and Y. Asakawa Biotransformation of Sesquiterpenoids, Ionones, Damascones, Adamantanes, and Aromatic Compounds by Green Algae, Fungi, and Mammals, Y. Asakawa and Y. Noma Industrial Uses of Essential Oils, W.S. Brud Encapsulation and Other Programmed Release Techniques for Essential Oils and Volatile Terpenes, J. Karlsen Aroma-Vital Cuisine, M.M. Kettenring and L.M. Vucemilovic Essential Oils Used in Veterinary Medicine, K. Husnu Can Ba,ser and C. Franz Trade of Essential Oils, H. Bovill Storage and Transport of Essential Oils, K.-D. Protzen Recent EU Legislation on Flavors and Fragrances and its Impact on Essential Oils, J.C.R. Demyttenaere Index