



Clinical Pharmacognosy Series

AROMATHERAPY

Basic Mechanisms and
Evidence-Based Clinical Use



Edited by
Giacinto Bagetta • Marco Cosentino
Tsukasa Sakurada



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Aromatherapy Mechanisms Evidence Clinical Pharmacognosy

**Elyor Berdimurodov, Esra Uçar, Burak
Tuzun**



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Aromatherapy Giacinto Bagetta,Marco Cosentino,Tsukasa Sakurada,2015-12-01 This reference provides an up to date compilation of background scientific information that advocates the application of currently developed clinical studies of the effects of aromatherapy to the treatment of human diseases such as mild stress induced mood disorders infectious diseases and age related disturbances It presents a rational basis for clinical translations of aromatherapy for treating human diseases in need of safer or more effective therapies and discusses the need for further clinical development in areas where therapy is lacking

Natural Products Interactions on Genomes Siva Somasundaram,2015-12-16 Foods from natural products are a major contributor to contemporary dietary needs The knowledge of interactions of specific natural products on genes is accumulating due to recent scientific advancements Natural Products Interactions on Genomes focuses on recent developments in understanding human genome interactions with various natural products

Pharmacology of BPSD (Behavioral and Psychological Symptoms of Dementia) Lydia Gimenez-Llort,Bjorn Johansson,2021-08-26

Natural Products and Cardiovascular Health Catherina Caballero-George,2018-12-05 This unique volume provides the latest information on secondary metabolites obtained from selected organisms plants or microorganisms that have beneficial effects in the treatment of cardiovascular diseases and an ability to offer protection against their progress A detailed description of their source chemistry and mechanism of action is provided together with results of clinical studies Here a clear connection is made between chemical structures in vitro studies and their clinical significance The topic is extensive and the audience gains an understanding of the medicinal applications of these groups of secondary metabolites that have the potential to improve cardiovascular health Features The latest information on secondary metabolites with beneficial effects in the treatment of cardiovascular diseases Written by an outstanding team of authors their work provides new insights into the beneficial effects of different components present in well known plant products evidencing their impressive cardiovascular effects This volume discusses novel targets to screen for new drugs and the need for data obtained from clinical studies using natural products in order to better analyze the significance of in vitro experimental data Here the reader will find a unique and timely volume with an international flavor This book describes the source chemistry and mechanism of action of natural products with the potential to improve cardiovascular health

Medicinal and Aromatic Plants Elyor Berdimurodov,Esra Uçar,Burak Tuzun,2025-08-18 Medicinal and aromatic plants have been used for medicinal and therapeutic purposes for centuries and modern medicine recognizes the health benefits of these plants The book covers the methods to obtain drugs from medicinal and aromatic plants the challenges encountered in growing them and stress factors effects It presents edible and toxic medicinal and aromatic plants and gives information on pharmaceutical cosmetic and aromatherapy uses

Aromatherapy: The Science of Essential Oils Pradeep Kumar Shukla,Ajeet Kumar Srivastav,Deepti Chopra,Shikha Agnihotry,Pragati Misra,Jyoti Singh,2024-04-23 Aromatherapy is a medical practice that uses

aromatic compounds or essential oils to influence mood and health Essential oils used in aromatherapy are created from a wide variety of medicinal plants flowers herbs roots and trees that are found all over the world and have significant well documented benefits on enhancing physical emotional and spiritual wellbeing This book is a comprehensive reference on aromatic compounds present in essential oils and their therapeutic use Starting from fundamentals of essential oil biosynthesis the book guides the reader through their basic biochemistry toxicology profiling blending and clinical applications The concluding chapters also present focused information about the therapeutic effects of essential oils on specific physiological systems plant sources skin treatment and cancer therapeutics The combination of basic and applied knowledge will provide readers with all the necessary information for understanding how to develop preclinical formulations and standard clinical therapies with essential oils This is an essential reference for anyone interested in aromatherapy and the science of essential oils

Aromatherapy and Women's Mental Health Pam Conrad, 2023-08-21 With an ever growing interest in aromatherapy as a means to manage mental health as well as the subsequent safety concerns surrounding the use and methodology of essential oils this timely evidence based book offers practical guidance on how to support women's mental health through aromatherapy Comprehensive in its approach this accessible text presents the history of mental health treatments general aromatherapy and specific practical tips and evidence based aromatherapeutic treatments and management for conditions such as anxiety depression and panic disorders which is supplemented with paediatric emotional health support It also features chapters on grief pregnancy postpartum PMS and menopause making it a wide ranging and holistic compendium of advice and guidance This new book by Pam Conrad can be read alongside her previous guide *Health Aromatherapy A Clinically Evidence Based Guide for Nurses Midwives Doulas and Therapists* or as a stand alone text and is an essential read for healthcare professionals looking to expand their holistic practice and cater to women's mental health

Herbal Treatment of Anxiety Scott D. Mendelson, 2022-07-25 *Herbal Treatment of Anxiety Clinical Studies in Western Chinese and Ayurvedic Traditions* explains the nature and types of anxiety its neurobiology the pathophysiology that exacerbates and perpetuates it and the psychopharmacology of the chemical agents that relieve its manifestations Throughout the text are discussions of Western Chinese and Ayurvedic herbal treatments that have been clinically shown to be effective in relieving anxiety The book also features a scientific discussion of the use of herbs and essential oils in aromatherapy and the mechanisms by which they may work The book concludes by providing bases upon which herbs can be chosen to treat the anxiety of patients according to their individual needs Additional features include Examines the increasingly popular subject of the use of herbs as a natural alternative treatment and provides a much needed scientific basis for treatments often considered as merely folk medicine Discusses the psychoactive phytochemicals contained in herbs Includes a chapter discussing the nature and mechanisms of action of adaptogens Adds to the armamentarium of anxiolytics for providers who have become reluctant to prescribe benzodiazepines as treatment of anxiety particularly in the

context of the opiate crisis Gives an introduction to herbal treatments of traditional Chinese and Ayurvedic medicine Offers practical advice on initiating and managing herbal treatments Herbal Treatment of Anxiety is a valuable reference for psychiatrists psychiatric nurse practitioners primary care providers naturopathic doctors and therapists interested in the most current scientific information on the effects of herbal treatments of anxiety disorders **Herbal Treatment of Major Depression** Scott D Mendelson, 2019-10-16 This unique volume presents new understandings of the neurochemical nature of major depression and how herbs and their constituent flavonoids and terpenes appear to address some of the mechanisms now thought to be involved It explores how recent studies of the rapid antidepressant effects of ketamine inform neuroscientists about deep intracellular mechanisms of antidepressant action that have little to do with simple enhancement of monoaminergic activity These mechanisms include actions on PI3K Akt mTOR GSK3 BDNF and other intracellular pathways New theories of the pathophysiology underlying major depression such as oxidative damage inflammation stress and insulin resistance are then explored Key Features Focuses on oxidative damage inflammation and metabolic syndrome Explains that a significant percentage of people treated for major depression obtain little if any relief from standard antidepressant medications These facts lead to discussion of herbs that can be used to treat major depression as well as consideration of the scientific basis for how these herbs act The antidepressant properties of 66 herbs are discussed along with dosing and safety information **Principles and Practice of Botanicals as an Integrative Therapy** Anne Hume, Katherine Kelly Orr, 2019-03-18 The purpose of this book is to focus on major considerations in the clinical use of botanicals as an integrated therapy in current health care The book uses an organ system approach to presenting clinical evidence on the use of botanicals for common conditions The chapters include brief sections on background and pharmacognosy preparation and do

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