

# Economic Botany

## Principles and Practices

Gerald E. Wickens

Kluwer Academic Publishers

# Economic Botany Principles And Practices

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## **Economic Botany Principles And Practices:**

**Economic Botany** G.E. Wickens, 2004-03-31 Unlike most books on economic botany this is not an encyclopedic listing of plants and their uses. Instead it is an attempt at understanding why plants are used. Economic botany is a multidisciplinary study and the purpose of this book is to provide an introduction to some of the scientific principles, processes and practices involved. The subjects discussed include the role of economic and ethnobotany, plant collecting, taxonomy and nomenclature, the environment and the physiological, morphological and anatomical adaptations of the plant, thereto, plant conservation, plant breeding and propagation, the marketing of crops and crop products, basic human and animal nutrition, human and animal foods, desirable insect foods, timber and wood products, fuel fibres, biochemicals, human and veterinary medicine, plant toxins, lower plants and their products, the role of plants in ameliorating the environment and the social uses of plants. It is hoped that this book will appeal to both the student and practitioner irrespective of their primary discipline.

**Economic Botany** G.E. Wickens, 2012-02-15 The strength of this book is that it is written by someone who has spent a lifetime devoted to the science of economic botany. The author has brought together his vast experience in the field in Africa with his studies of arid land plants at the Royal Botanic Gardens Kew. The result is an informative and reliable text that covers a vast range of topics. It is also firmly based upon the author's research and interest in plant taxonomy and therefore fully acknowledges the importance of correct naming and classification in the field of science of economic botany. The coverage is of economic botany in its broadest sense. I was delighted to find such topics as ecophysiology, plant breeding, the environment and conservation are included in the text. This gives the book a much more comprehensive coverage than most other texts on the subject. I was also glad to see that the book covers the use of various organisms that are no longer considered part of the plant kingdom such as various species of fungi and algae. It is indeed a broad ranging book that will be of use to many people interested in the uses of plants and fungi. Economic botany is once again being given more prominence as a discipline because of its enormous relevance to both conservation and sustainable development. Those people involved in those topics should find this a most useful resource.

**Economic Botany: Principles And Practices** Wickens, 2006-12-01 **Economic Botany** Leif Willms, 2019 *The Philosophy of Education; Or, The Principles and Practice of Teaching* Thomas Tate

(Mathematical Master, Training College, Battersea.), 1857 *The Baobabs: Pachycauls of Africa, Madagascar and Australia* G.E. Wickens, 2008-03-02 This is the only comprehensive account of all eight species in the genus *Adansonia*. It describes the historical background from the late Roman period to the present. It covers the extraordinary variety of economic uses of baobabs. There are also appendices on vernacular names, gazetteer, economics, nutrition and forest mensuration. This book fills a gap in the botanical literature. It deals with a genus that has fascinated and intrigued scientists and lay persons for centuries.

**Public Documents** West Virginia, 1898 **The Cultural History of Plants** Sir Ghilleen Prance, Mark Nesbitt, 2012-10-12 This valuable reference will be useful for both scholars and general readers. It is both botanical and

cultural describing the role of plant in social life regional customs the arts natural and covers all aspects of plant cultivation and migration and covers all aspects of plant cultivation and migration The text includes an explanation of plant names and a list of general references on the history of useful plants *Annual Report* Ohio State University,1887 Catalogue Kansas State Agricultural College,Kansas State College of Agriculture and Applied Science,Kansas State University,1918

**Uses and Abuses of Plant-Derived Smoke** Marcello Pennacchio,Lara Jefferson,Kayri Havens,2010-07-15 Plants provide the food shelter medicines and biomass that underlie sustainable life One of the earliest and often overlooked uses of plants is the production of smoke dating to the time of early hominid species Plant derived smoke has had an enormous socio economic impact throughout human history being burned for medicinal and recreational purposes magico religious ceremonies pest control food preservation and flavoring perfumes and incense This illustrated global compendium documents and describes approximately 2 000 global uses for over 1 400 plant species The Uses and Abuses of Plant Derived Smoke is accessibly written and provides a wealth of information on human uses for smoke Divided into nine main categories of use the compendium lists plant derived smoke s medicinal historical ceremonial ritual and recreational uses Plant use in the production of incense and to preserve and flavor foods and beverages is also included Each entry includes full binomial names and family an identification of the person who named the plant as well as numerous references to other scholarly texts Of particular interest will be plants such as Tobacco *Nicotiana tabacum* *Boswellia* spp frankincense and *Datura stramonium* smoked as a treatment for asthma all over the world all of which are described in great detail

**Annual Report of the Board of Trustees of the Ohio State University** Ohio State University,1927 *Rhodiola rosea* Alain Cuerrier,Kwesi Ampong-Nyarko,2014-12-02 The genus *Rhodiola* Family Crassulaceae is indigenous to Northern Canada Europe and Asia where its rhizomes and roots have been used for centuries for medicinal purposes Recent interest in the species *Rhodiola rosea* roseroot in the West arose from the use of the rhizome as an adaptogen for the treatment of stress but in the last few years chemical and pharmacological studies have confirmed other valuable medicinal properties Written by well known researchers in this field of study *Rhodiola rosea* examines important aspects of this increasingly important medicinal plant including Cultivation Taxonomy Ethnobotany Conservation Phytopathology Phytochemistry Pharmacology Biotechnology The book discusses in vitro culture of *R. rosea* and examines pests and diseases affecting the plant in Europe Canada and Alaska It also examines pharmacological bioassays and toxicology The contributors provide a meta analysis of clinical trials and describe experimentation with *R. rosea* in clinical practice They explore its use in a range of areas including for depression and anxiety disorders to improve sexual and immune functions to augment cancer treatment and in aerospace medicine for afflictions such as mountain sickness and jet lag The final chapter uses a model to illustrate the cultivation of *R. rosea* as an industrial crop from field to medicine to cabinet Synthesizing the most important literature in recent years the book supplies a comprehensive peer reviewed survey of the wide spectrum of possibilities for its use as a modern phytomedicinal agent

**Annual Report of the Ontario Agricultural College and Experimental Farm, for the Year Ending 31st December ...** Ontario Agricultural College,1881      Sessional Papers - Legislature of the Province of Ontario Ontario. Legislative Assembly,1883      **Bulletin of the School of Economics** University of Pittsburgh,University of Pittsburgh. School of Economics,1909      **Agroforestry Theory and Practices** A.J. Raj,S.B. Lal,2014-01-01 This textbook is one of the finest books on agroforestry that offers a global review of the approaches tools and technologies research innovations and real world practices in agroforestry The book offers a comprehensive guide to basic principles techniques and applications integrative strategies economic and environmental concerns and future trends in agroforestry in different regions of the world It will help all scientists students professors farmers foresters decision makers and politicians who wish to build a safe land use system for food energy and better environment for future generations This textbook will enormously benefit the students for their preparation of competitive exams like UPSC Civil Services UPSC Indian Forest Service ICAR ARS Scientist NET Exam ICFRE Forestry Scientist Exam State Public Service Commission Exams and University Entrance Exam for admission to M Sc and Ph D programmes      **Global Economic Systems and Sectors** Mr. Rohit Manglik,2024-03-04 EduGorilla Publication is a trusted name in the education sector committed to empowering learners with high quality study materials and resources Specializing in competitive exams and academic support EduGorilla provides comprehensive and well structured content tailored to meet the needs of students across various streams and levels      **Biennial Report** West Virginia. State Board of Agriculture,1898      **Annual Report** California. State Department of Education,1882 1926 28 contains statistical tabulations relative to the public shools of the state Division of Research adn Statistics

## **Economic Botany Principles And Practices Book Review: Unveiling the Power of Words**

In a global driven by information and connectivity, the energy of words has be more evident than ever. They have the capacity to inspire, provoke, and ignite change. Such is the essence of the book **Economic Botany Principles And Practices**, a literary masterpiece that delves deep in to the significance of words and their effect on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book is key themes, examine its writing style, and analyze its overall effect on readers.

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