AN ISO 9001 : 2015 CERTIFIED COMPANY

Cultivation and Utilization of Aromatic Plants

FREE SAMPLE: contents and introduction of the 608-page book
Price: Rs 1,100 | US$ 29.73

Order the full book >

AN ISO 9001 : 2015 CERTIFIED COMPANY

Author: H. Panda
Format: paperback
Code: NI155
Pages: 608
Price: Rs 1,100 | US$ 29.73
Publisher: NIIR PROJECT CONSULTANCY SERVICES
Shipping: 5 days

About the Book

Aroma has played a vital role, directly as well as indirectly, in the life of human beings since its appearance on the earth as a result of evolution. India, Egypt and Persia were amongst the first countries to have conceived the process of distillation of essential oils. Aromatic plants have essential or aromatic oils naturally occurring in them. They help heal mental ailments and other diseases. India is endowed with a rich wealth of medicinal plants. Aromatic (Aroma Producing) plants are those plants which produce a certain type of aroma. Their aroma is due to the presence of some kind of essential oil with chemical constituents that contain at least one benzene ring in the their chemical configuration. These plants have made a good contribution to the development of ancient Indian material medica. In recent years, there has been a tremendous growth of interest in plant based drugs, pharmaceuticals, perfumery products, cosmetics and aroma compounds used in food flavors and fragrances and natural colors in the world. The chemical nature of these aromatic substances may be due to a variety of complex chemical compounds. There is a definite trend to adopt plant based products due to the cumulative derogatory effects resulting from the use of antibiotic and synthetics and except for a few cultivated crops, the availability of plant based material is mainly from the natural sources like forests and wastelands. There is a need to introduce these crops into the cropping system of the county, which, besides meeting the demands of the industry, will also help to maintain the standards on quality, potency and chemical composition. During the past decade, demand for aromatic plants and its products has attracted the worldwide interest, India being the treasure house of biodiversity, accounts for thousands of species which are used in herbal drugs. 90% of herbal industry requirement of raw material is taken out from the forests.

This book basically deals with cultivation of matricaria chamomilla, present agro production technology status of celery, cultivation of ocimum gratissimum linn. var clocimum, the production and perfume potential of jasminum collections, chemical modification of turmeric oil to more value added products, biologically active compounds from turpentine oil, folk medicinal uses of indigenous aromatic plants in nepal , traditional uses of selected aromatic plants of bhutan and their cultivation prospects, blending aspects of perfumes with turpentine constituents, the chemistry of mint flavour, essential oils of cinnamomum species, citral containing cymbopogon species etc..
The aim of publishing this book is to provide multidisciplinary information on aromatic plants. The book covers method of cultivation and utilization of various aromatic plants. This is very useful book for farmers, technocrats, agriculture universities, libraries, new entrepreneurs etc.

Contents

1. Cultivation of Matricaria Chamomilla
2. Damask Rose (Rosa Damascena Mill.) Cultivation and Processing
3. Present Agro production Technology Status of Celery (Apium graveolens L.)
4. Germination and Flowering of Ocimum selloii Benth
5. RRL Oc 12 A Newly Evolved Methyl Cinnamate Rich Strain of Ocimum canum Sims.
6. Search for New Aroma Chemicals from genus Ocimum
7. Cultivation of Ocimum gratissimum Linn. var Clocimum
8. Cultivation of Anise
9. Patchouli
10. Removal of Calamus Odour from Patchouli Oil
11. Propagation of Patchouli (Pogostemon Cablin Benth.)
12. Patchouli Root Knot Problem and Control
13. Alponia Galanga
14. Citrus Medica Linn.
15. Curcuma Longa
16. Cuminum Cyminum, Linn.
17. Cyperus Rotundus
18. Hibiscus Rosa Sinensis, Linn.
19. Piper Nigrum
20. Pomegranate
21. Ricinus Communis Linn.
22. Common Elder
23. Tamarind Tree
24. Woodfordia Fruticosa, Vurz.
25. Angelica (Angelica Archangelica)
26. Sandalwood Oil Substitutes A Review
27. Native Jasmines of India
28. Screening of Flowers of Jasminum Species for Indole
29. Production Economics of Jasmine Concrete
30. The Production and Perfume Potential of Jasminum Collections
31. New Compounds of Value in Perfumery and Flavour Industry from Carene
32. Citral Containing Cymbopogon Species
33. Cedrus Oil A Promising Antifungal Agent
34. Terpenes and Coumarins from the Seeds of Peucedanum Dhana Ham. Seeds
35. Essential Oils of Cinnamomum Species
36. Jamrosa a New Geraniol Rich Cymbopogon
37. 9 Aristolen 1 alpha ol and l(10) Aristolen 2 one from Nardostachys Jatamansi DC
38. Comparison of Chemical Composition of Pepper and Pepper Leaf Oil
39. Chemical Modification of Turmeric Oil to More Value Added Products
40. Rectification of Benzene Extract A Simple Method for Extracting Sandal Oil in Higher Yield
41. Palmarosa Oil Grass for Higher Yield of Oil and Its Quality Under Cultivation
42. Effect of Harvest Management on the Yield of Essential Oil Content and Flavour of Kala Zira (Carum bulbocastanum W. Koch) Seed.
43. Essential Oil from Cymbopogon Olivieri (Boiss. C. B.) Bor.
44. Chromatographic Separation of Alpha and Beta Santalenes
45. The Rose Fragrance
46. Breeding of a New Type of Ocimum Gratissimum for Eugenol Rich Essential Oil
47. Breeding for High Essential Oil Content in Khas (Vetiveria zizanioides) Roots
48. Ocimum Sanctum for High Oil and Eugenol Content

49. Essential Oil of Artemisia pallens Wall (Davana)
50. Essential Oil from the Seeds of Anethum graveolens Linn. raised at Lucknow
51. Terpenoids from Palmarosa Grass (Cymbopogon martini var. motia)
52. Effect of Fertilizer Treatments on Yield and Economics of Cultivation of Mentha, Citronella and Palmarosa
53. Oil Content and Its Composition at Different Stages of Growth in Ocimum Sanctum Linn.
54. Weed Control in the First and Second Cutting of Japanese Mint (Mentha Arvensis L.)
55. The Chemistry of Mint Flavour
56. Ozonolysis Studies on Phenolic Constituents from Clocimum Oil
57. Natural Isolates & Reconstituted Essential Oils
58. Some Aspects of Longifolene Chemistry
59. Alpha Pinene Derivatives
60. Biologically Active Compounds from Turpentine Oil
61. Pseticides From Turpentine Oil
62. Blending Aspects of Perfumes with Turpentine Constituents
63. Insecticides Based on Turpentine
64. Promising Aromatic Plants of Industrial Value from North east India
65. Traditional Aromatic Incense and Insect Repellent Plants of Uttar Pradesh Himalaya
66. The Status of Essential Oil Bearing Plants in Uttaranchal (U.P.) India
67. Folk Medicinal Uses of Indigenous Aromatic Plants in Nepal
68. Traditional Uses of Selected Aromatic Plants of Bhutan and their Cultivation Prospects

Get the full book

This sample shows only the contents and introduction. The full book has every chapter.
Price: Rs 1,100 | US$ 29.73
Delivery: Shipped within 5 working days of payment
Order online: niir.org/books/aromatic-plants-cultivation-utilization/ **WhatsApp:** +91 9097-075-054

Planning a unit? NPCS project reports:

- Essential Oil project report
- Tamarind Processing project report
- Coumarin project report
- Tamarind Based Products project report

NIIR PROJECT CONSULTANCY SERVICES (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. NPCS is manned by engineers, planners, specialists, financial experts, economic analysts and design specialists with extensive experience in the related industries.

Our various services are: Detailed Project Report, Business Plan for Manufacturing Plant, Start-up Ideas, Business Ideas for Entrepreneurs, Market Research, Manufacturing Process, Machinery, Raw Materials, Project Feasibility, Investment Opportunities, Technical Consultancy and Startup Help.

NPCS also publishes process technology books, technical books, startup books, directory, business database, detailed project reports and market research reports.

Our Detailed Project Report aims at providing all the critical data required by entrepreneurs for starting new business ventures.

NIIR PROJECT CONSULTANCY SERVICES
106-E, Kamla Nagar, New Delhi-110007, India

Email: npcs.india@gmail.com **Website:** https://www.niir.org/



Scan to order the full book on niir.org