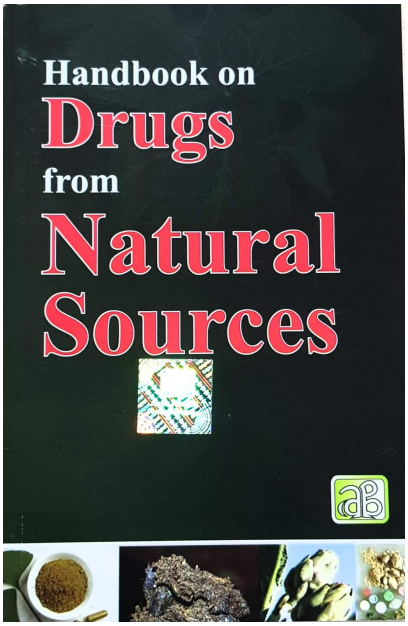
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Handbook on Drugs from Natural Sources

Code	NI229
Format	paperback
Indian Price	₹1175
US Price	$125
Pages	480
ISBN	9788178331331
Publisher	Asia Pacific Business Press Inc.

Description

Natural products have played an important role throughout the world in treating and preventing human diseases. Natural product medicines have come from various materials including terrestrial plants, terrestrial microorganisms, organisms etc. Historical experiences with plants as therapeutic tools have helped to introduce single chemical entries in modern medicine. About 40% of the drugs used are derived from natural sources. Most are pure substances which are isolated from various organisms & used directly or after chemical modification. Natural products will continue to be important in three areas of drug discovery: as targets for production by biotechnology as a source of new lead compounds of novel chemical structure and as the active ingredients of useful treatments derived from traditional systems. Biotechnology will contribute more new natural products for medicinal use. Plants provide a fertile source of natural products many of which are clinically important medicinal agents. Natural products have traditionally provided most of the drugs in use. Despite the achievements of synthetic chemistry and the advances towards rational drug design, natural products continue to be essential in providing medicinal compounds and as starting points for the development of synthetic analogues. With the increasing power of screening programs and the increasing interest in the reservoir of untested natural products, many future drug developments will be based, at least in part, on natural products.

The major contents of the book are plant products produced in cell culture , application of genetic engineering to the production of
pharmaceuticals , anti transpirants and plant growth regulators based , the potential and the problems of marine natural products, marine sterols, plants as a source of anti-inflammatory substances, anti hepatotoxic principles in oriental medicinal plants, immune stimulants of fungi and higher plants, amanita muscaria in medicinal chemistry, ergot alkaloids and their derivatives in medicinal chemistry and therapy, development of drugs from cannabinoids, etc.

This book contains development of new drugs from plants, work on some Thai medicinal plants, plant growth based on Jasmonates, marine sterols, bleomycin and its derivatives, drugs from cannabinoids, bioactive compounds from nature, fungi and higher plants, biological active compounds from British Marine, microbial phytotoxins as herbicides and many more. This book will be very helpful to its readers, upcoming entrepreneurs, scientists, existing industries, technical institutions, druggist etc.

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34. Amanita Muscaria in Medicinal Chemistry.
35. Bot. : Acacia Arabica Hindi : Babul, Sanskrit : Babbula

36. Bot : Abrus precatorius Linn. Eng : Indian Liquorice,
M : Gunj, H : Ghungehi
37. Bot : Acacia catechu Willd. Eng : Cutch tree, M : Khair,
H : Khair
38. Bot. : Achyranthes aspera Linn. Eng : Prickly chaff flower,
M : Aaghaadaa, H : Latiira
39. Bot : Adhatoda vasica Nees. M : Adulsa, H : Arusha
40. Bot : Aegle marmelos Correa. Eng. Bael Tree,
M : Bel, H : Bel
41. Bot : Allium sativum Linn. Eng : Garlic, M : Lasun,
H : Lasun
42. Bot : Aloe barbadensis Mill. M : Korphad, H : Ghikanvar
43. Bot : Argemone mexicana Linn. Eng : Prickly poppy, Mexican
poppy, M : Satyanaashi; Pivla Dhotra, H : Sialkanta
44. Bot : Asparagus racemosus Willd. M : Satavari, H : Satawar
45. Bot : Azadirachta indica, H : Neem
46. Bot : Boerhaavia chinensis Aschers & Schweinf.
Eng : Spreading hogweed, M : Punarnava; Ghetulli, H : Sant
47. Bot : Boswellia serrata Roxb. Eng : Indian Olibanum tree,
M : Salai, H : Lubhaan
48. Bot : Butea frondosa, Hindi : Palas, Sanskrit : Palasha
49. Bot : Butea monosperma Taub. Eng : Flame of the Forest,
M : Palas, H : Dhak
50. Bot : Caesalpinia crista Linn.
Eng : Fever nut, M : Saagurgothaa, H : Karannja
51. Bot. Name : Calotropis gigantea R Br. M* : Rui, H** : Ak
52. Bot : Cassia fistula Linn. Eng : Indian laburnum,
M : Baahavaa, H : Amaltas
53. Bot : Cassia tora Linn. M : Taakla, H : Chakunda
54. Bot : Carica papaya Linn. Eng : Papaya, M : Papai,
H : Papaya
55. Bot : Celosia argentea Linn. Eng : Quall Grass,
M : Kurdu, H : Sufaid murgha
56. Bot : Clerodendron phlomidis Linn. M : Airan, H : Arni
57. Bot : Cleome viscosa Linn. M : Pivli tiivan, H : Hurhur
58. Bot : Clitoria ternatea Linn. M : Gokarn, H : Aparajit
59. Bot : Coriandrum sativum Linn. M : Dhane, H : Dhaniya
60. Bot : Costus speciosus Smith. M : Peva, H : kemuk
61. Bot : Crataeva nurvala Ham M : Vaayvarnaa, H : Varun
62. Bot : Crocus sativus, Hindi : Zaafran, Kesar Sanskrit : Kaisara
63. Bot : Cucumis melo Linn. Eng : Musk melon, Sweet melon,

M : Chibud; Kharbuz, H : Kakani
64. Bot : Curculigo orchioides, Hindi : Kali Musli,
Sanskrit : Talmuli
65 Bot : Cuscuta reflexa Roxbi, M : Aakaashvalli, H : Akasvel
66. Bot : Evolvulus alsinoides, Hindi : Shankhahuli,
Sanskrit : Shankhapushpi
67. Bot : Glycyrrhiza glabra, Hindi : Mulethi,
Sanskrit : Yashtimadhu
68. Bot : Gmelina arborea Roxb. M : Shiwan, H : Gamari
69. Bot : Hyoscyamus niger, H. : Khursani, ajvayan,
Sanskrit : Yavani
70. Bot : Morinda tinctoria Roxb. M : Bartondi, H : Aal
71. Bot : Melia azedarach Linn. Eng. : Persian Lilac, Bead tree,
M : Bakaanaanimb, H : Bakain
72. Bot : Pterocarpus santalinus, Hindi : Lal Chandan,
Sanskrit : Raktachandan
73. Bot : Raphanus sativces, Hindi : Muli, Sanskrit : Moolaka
74. Bot : Trigonella foenum-graceum,
Hindi : Methi, Sanskrit : Methinee
75. Bot : Viola odorata, Hindi : Banaphasha, Sanskrit : Banaphasha
76. Bot : Withania somnifera, Hindi : Asagandh :
Sanskrit, Ashawgandha

About Niir

NIIR Project Consultancy Services (NPCS) is a reliable name in the industrial world for offering integrated technical consultancy services. Its various services are: Pre-feasibility study, New Project Identification, Project Feasibility and Market Study, Identification of Profitable Industrial Project Opportunities, Preparation of Project Profiles and Pre-Investment and Pre-Feasibility Studies, Market Surveys and Studies, Preparation of Techno-Economic Feasibility Reports, Identification and Selection of Plant and Machinery, Manufacturing Process and/or Equipment required, General Guidance, Technical and Commercial Counseling for setting up new industrial projects and industry. NPCS also publishes various technology books, directories, databases, detailed project reports, market survey reports on various industries and profit making business. Besides being used by manufacturers, industrialists, and entrepreneurs, our publications are also used by Indian and overseas professionals including project engineers, information services bureaus, consultants and consultancy firms as one of the inputs in their research.