



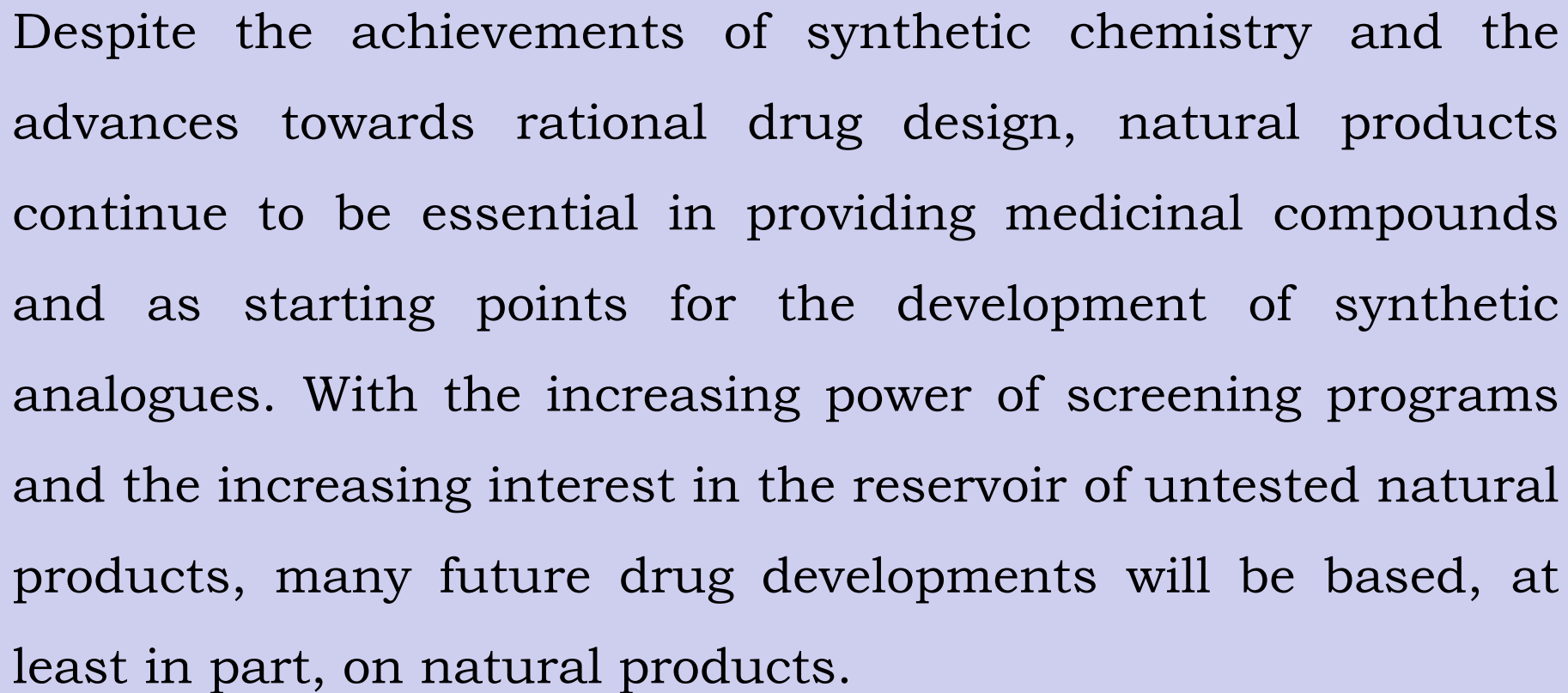
Drugs from Natural Sources

(Acacia, Indian Liquorice, Khair, Prickly Chaff Flower, Adulsa, Lasun, Ghikanvar, Neem, Roxb, Karannja, Chakunda, QuallBoswellia Serrata Grass, Airan, Zaafran, Chibud, Talmuli, Mulethi, Moolaka, Hyoscyamus Niger, Yashtimadhu, Methi, Banaphasha, Bartondi, Dhaniya)

Introduction

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.

Market Outlook

The Indian herbal industry is likely to double from present Rs. 7,500 crore to Rs. 15,000 crore by 2015.

The domestic herbal industry will grow rapidly in the coming years and by 2015, it is expected that the size of the domestic market will rise to Rs. 15,000 crore, reflecting a compound growth rate of over 20 percent.

Total global herbal market is of size 62.0 billion dollars.

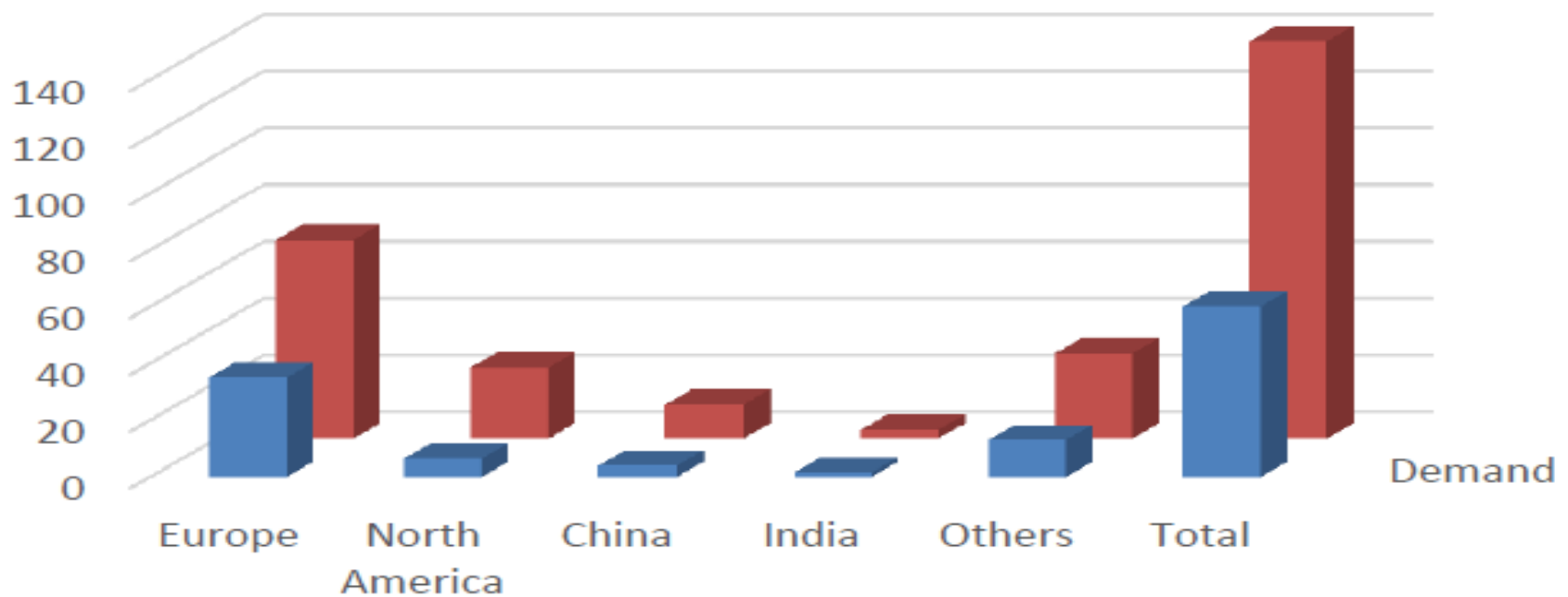
A close-up photograph of a plant with bright yellow, spherical flower heads and green, needle-like leaves. The background is softly blurred, showing more of the plant and a hint of a blue sky.

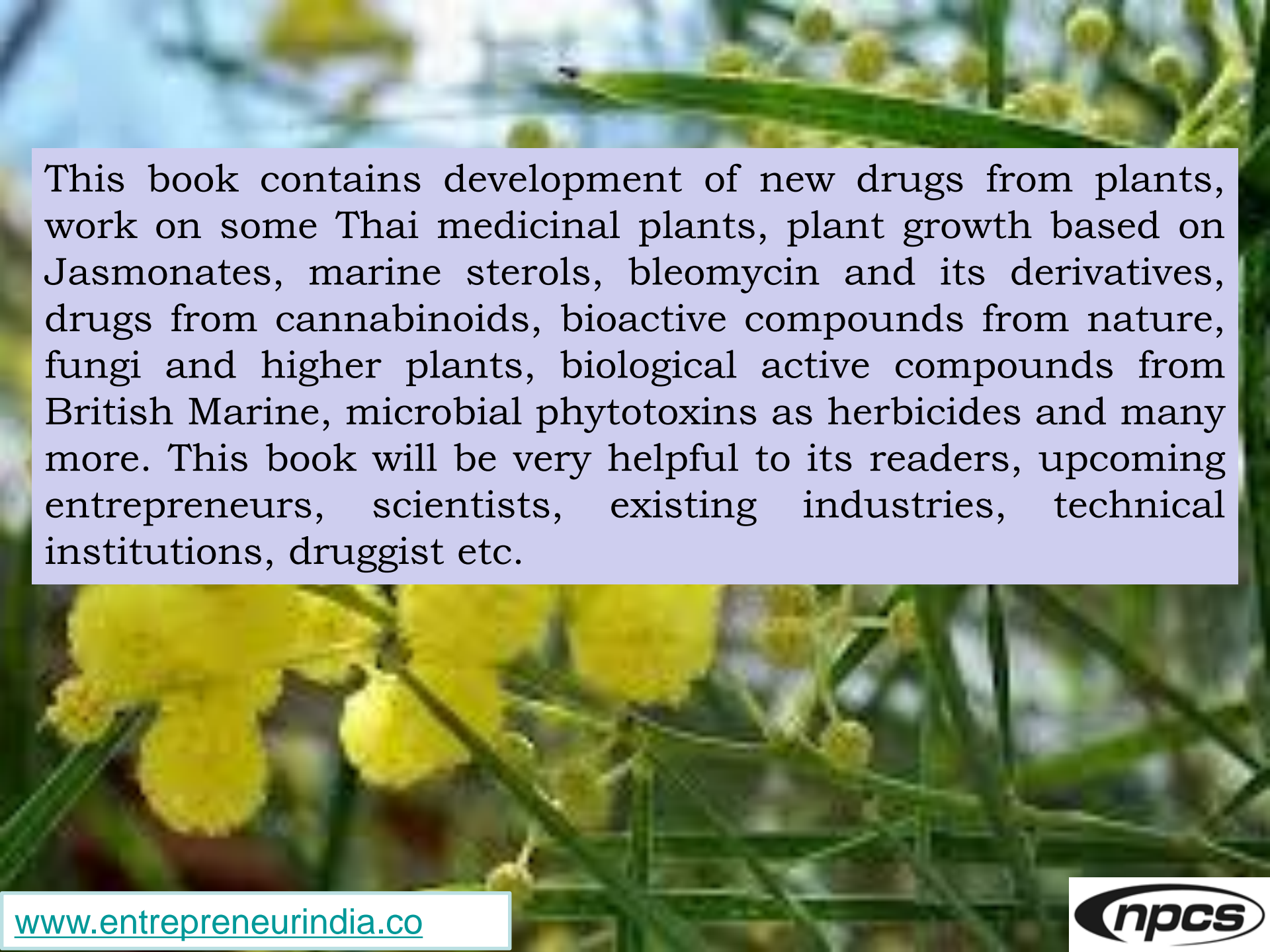
The global herbal medicine market is expected to grow on account of increasing consumer preferences for natural medicines and aromatherapy over the forecast period.

Global Herbal Market

| Markets | Present Demand | Projected Demand (for 2015) |
|---------------|------------------|-----------------------------|
| Europe | US\$ 35 Billion | US\$ 70 Billion |
| North America | US\$ 6.5 Billion | US\$ 25 Billion |
| China | US\$ 4.0 Billion | US\$ 12 Billion |
| India | US\$ 1.5 Billion | US\$ 3 Billion |
| Others | US\$ 13 Billion | US\$ 30 Billion |
| Total | US\$ 60 Billion | US\$ 140 Billion |

Demand for Herbal Market in Different Region



A close-up photograph of a plant with bright yellow, spherical flower heads and green stems. The background is blurred, showing more of the plant and a hint of a blue sky.

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 sativus*, 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

Tags

Drugs from Natural Sources, Plants as Source of Drugs, Plant Based Drugs and Medicines, Drugs from Natural Products, Drugs from Plants, Natural Products, Natural Products in Drugs, Sources of Drugs, Drug from Medicinal Plants, Bioactive Compounds from Natural Sources, Biologically Active Compounds from British Marine Algae, Drugs from Natural Bio Sources, Natural Products as Sources of Drugs, Medicinal Natural Products, Plant Based Natural Products, Drugs of Natural Origin, Drugs from Cannabinoids, Plant Products Produced in Cell Culture, Herbicidal Compounds, Microbes and Microbial Phytotoxins as Herbicides, Chinese Traditional Medicine, Thai Medicinal Plants, Compounds Derived from Hormones, Indigenous Medicinal Plants, Plants as Source of Anti-Inflammatory Substances, Bleomycin and its Derivatives, Antineoplastic Structure-Activity, Oriental Medicinal Plants, Immunostimulants of Fungi and Higher Plants, Acacia, Abrus Precatorius Linn, Babul, Acacia Catechu Willd, Chyranthes Aspera Linn, Adhatoda Vasica Nees, Allium Sativum Linn, Aloe Barbadosensis Mill, Argemone Mexicana Linn, Neem, Asparagus Racemosus Willd, Azadirachta Indica, Boerhaavia Chinensis Aschers & Schweinf, Boswellia Serrata Roxb, Butea Frondosa, Butea Monosperma Taub, Cassia Fistula Linn, Cassia Tora Linn, Carica Papaya Linn, Evolvulus Alsinoides, Clitoria Ternatea Linn, Clerodendron Phlomidis Linn, Cuscuta Reflexa Roxbi, Glycyrrhiza Glabra, Gmelina Arborea Roxb, Morinda Tinctoria Roxb, Melia Azedarach Linn, Pterocarpus Santalinus,

Tags

Raphanus Sativces, Viola Odorata, Ashawgandha, Withania Somnifera, Muli, Lal Chandan, Raktachandan, Bakain, Bakaanaanimb, Aakaashvalli, Shankhahuli, Talmuli, Chibud, Sweet Melon, Aparajit, Arni, Quall Grass, Sufaid Murgha, Lasun, Ghungehi, Khair, Adulsa, Arusha, NPCS, Niir, Process Technology Books, Business Consultancy, Business Consultant, Startup, Business Guidance, Business Guidance to Clients, Startup Ideas, Startup Project Plan, Business Start-Up, Business Plan for Startup Business, Great Opportunity for Startup, Small Start-Up Business Project, Best Small and Cottage Scale Industries, Startup India, Stand Up India, Small Scale Industries, New Small Scale Ideas for Thai Medicinal Plants, Natural Products in Drugs Business Ideas You Can Start on Your Own, Guide to Starting and Operating Small Business, Business Ideas for Drugs From Natural Sources,

Tags

How to Start Drugs from Natural Sources Business, Start Your Own Drug from Medicinal Plants Business, Natural Drugs Business Plan, Business Plan for Natural Drugs, Small Scale Industries in India, Drugs from Cannabinoids Based Small Business Ideas in India, Small Scale Industry You Can Start on Your Own, Business Plan for Small Scale Industries, Profitable Small Scale Manufacturing, How to Start Small Business in India, Free Manufacturing Business Plans, Small and Medium Scale Manufacturing, Profitable Small Business Industries Ideas, Business Ideas for Startup

Niir Project Consultancy Services (NPCS) can provide Process Technology Book on

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- *We adopt a systematic approach to provide the strong fundamental support needed for the effective delivery of services to our Clients' in India & abroad*

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- *Detailed Project Reports/Pre-feasibility Reports*
- *Business Plan*
- *Industry Trends*
- *Market Research Reports*
- *Technology Books and Directory*
- *Databases on CD-ROM*
- *Laboratory Testing Services*
- *Turnkey Project Consultancy/Solutions*
- *Entrepreneur India (An Industrial Monthly Journal)*

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- *We empower our customers with the prerequisite know-how to take sound business decisions*
- *We help catalyze business growth by providing distinctive and profound market analysis*
- *We serve a wide array of customers , from individual entrepreneurs to Corporations and Foreign Investors*
- *We use authentic & reliable sources to ensure business precision*

Our Approach

Requirement collection

Thorough analysis of the project

Economic feasibility study of the Project

Market potential survey/research

Report Compilation

Who do we serve?

- *Public-sector Companies*
- *Corporates*
- *Government Undertakings*
- *Individual Entrepreneurs*
- *NRI's*
- *Foreign Investors*
- *Non-profit Organizations, NBFC's*
- *Educational Institutions*
- *Embassies & Consulates*
- *Consultancies*
- *Industry / trade associations*

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- *Ayurvedic And Herbal Medicines, Herbal Cosmetics*
- *Alcoholic And Non Alcoholic Beverages, Drinks*
- *Adhesives, Industrial Adhesive, Sealants, Glues, Gum & Resin*
- *Activated Carbon & Activated Charcoal*
- *Aluminium And Aluminium Extrusion Profiles & Sections,*
- *Bio-fertilizers And Biotechnology*
- *Breakfast Snacks And Cereal Food*
- *Bicycle Tyres & Tubes, Bicycle Parts, Bicycle Assembling*

Sectors We Cover *Cont...*

- *Bamboo And Cane Based Projects*
- *Building Materials And Construction Projects*
- *Biodegradable & Bioplastic Based Projects*
- *Chemicals (Organic And Inorganic)*
- *Confectionery, Bakery/Baking And Other Food*
- *Cereal Processing*
- *Coconut And Coconut Based Products*
- *Cold Storage For Fruits & Vegetables*
- *Coal & Coal Byproduct*

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- *Disinfectants, Pesticides, Insecticides, Mosquito Repellents,*
- *Electrical, Electronic And Computer based Projects*
- *Essential Oils, Oils & Fats And Allied*
- *Engineering Goods*
- *Fibre Glass & Float Glass*
- *Fast Moving Consumer Goods*
- *Food, Bakery, Agro Processing*

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- *Ferro Alloys Based Projects*
- *Fertilizers & Biofertilizers*
- *Ginger & Ginger Based Projects*
- *Herbs And Medicinal Cultivation And Jatropha (Biofuel)*
- *Hotel & Hospitability Projects*
- *Hospital Based Projects*
- *Herbal Based Projects*
- *Inks, Stationery And Export Industries*

Sectors We Cover *Cont...*

- *Infrastructure Projects*
- *Jute & Jute Based Products*
- *Leather And Leather Based Projects*
- *Leisure & Entertainment Based Projects*
- *Livestock Farming Of Birds & Animals*
- *Minerals And Minerals*
- *Maize Processing(Wet Milling) & Maize Based Projects*
- *Medical Plastics, Disposables Plastic Syringe, Blood Bags*
- *Organic Farming, Neem Products Etc.*

Sectors We Cover *Cont...*

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- *Paper And Paper Board, Paper Recycling Projects*
- *Printing Inks*
- *Packaging Based Projects*
- *Perfumes, Cosmetics And Flavours*
- *Power Generation Based Projects & Renewable Energy Based Projects*
- *Pharmaceuticals And Drugs*
- *Plantations, Farming And Cultivations*
- *Plastic Film, Plastic Waste And Plastic Compounds*
- *Plastic, PVC, PET, HDPE, LDPE Etc.*

Sectors We Cover *Cont...*

- *Potato And Potato Based Projects*
- *Printing And Packaging*
- *Real Estate, Leisure And Hospitality*
- *Rubber And Rubber Products*
- *Soaps And Detergents*
- *Stationary Products*
- *Spices And Snacks Food*
- *Steel & Steel Products*
- *Textile Auxiliary And Chemicals*

Sectors We Cover *Cont...*

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- *Textiles And Readymade Garments*
- *Waste Management & Recycling*
- *Wood & Wood Products*
- *Water Industry(Packaged Drinking Water & Mineral Water)*
- *Wire & Cable*

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