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.
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

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<th>Present Demand</th>
<th>Projected Demand (for 2015)</th>
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<td>Europe</td>
<td>US$ 35 Billion</td>
<td>US$ 70 Billion</td>
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<td>North America</td>
<td>US$ 6.5 Billion</td>
<td>US$ 25 Billion</td>
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<td>China</td>
<td>US$ 4.0 Billion</td>
<td>US$ 12 Billion</td>
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<tr>
<td>India</td>
<td>US$ 1.5 Billion</td>
<td>US$ 3 Billion</td>
</tr>
<tr>
<td>Others</td>
<td>US$ 13 Billion</td>
<td>US$ 30 Billion</td>
</tr>
<tr>
<td>Total</td>
<td>US$ 60 Billion</td>
<td>US$ 140 Billion</td>
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Demand for Herbal Market in Different Region
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

37. Bot: Acacia catechu Willd. Eng: Cutch tree, M: Khair, H: Khair


42. Bot: Aloe barbadensis Mill. M: Korphad, H: Ghikanvar

43. Bot: Argemone mexicana Linn. Eng: Prickly poppy, Mexican poppy, M: Satyanaashhi; Pivla Dhotra, H: Sialkanta


45. Bot: Azadirachta indica, H: Neem


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
59. Bot: Coriandrum sativum Linn. M: Dhane, H: Dhaniya
    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


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

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, Ompounds 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 Barbadensis 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,
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 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)

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- 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  

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- 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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- Copper & Copper Based Projects
- Dairy/Milk Processing
- 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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- Fertilizers & Biofertilizers
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- Herbs And Medicinal Cultivation And Jatropha (Biofuel)
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- Hospital Based Projects
- Herbal Based Projects
- Inks, Stationery And Export Industries
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- Leather And Leather Based Projects
- Leisure & Entertainment Based Projects
- Livestock Farming Of Birds & Animals
- Minerals And Minerals
- Maize Processing (Wet Milling) & Maize Based Projects
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- Organic Farming, Neem Products Etc.
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- 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.
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- Soaps And Detergents
- Stationary Products
- Spices And Snacks Food
- Steel & Steel Products
- Textile Auxiliary And Chemicals
Sectors We Cover

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