Herbal Food, Drugs, Medicines, Ayurvedic and Unani Medicines

Herbal Cosmetics & Ayurvedic Medicines (EOU) (3rd Revised Edition)

Author: P. K. Chattopadhyay
Format: Paperback
Book Code: NI31
Pages: 476
ISBN: 9789381039274
Price: **Rs.** 1,475.00 **US$** 150.00

Herbal cosmetics have been into usage from time immemorial so has been the use of Ayurvedic medicines. Ayurveda which means the complete knowledge for long life has been very popular these days on account of its minimum or zero side effects with considerable power of curing. Similarly herbal cosmetics have been of great value because of the least harm they cause to the skin and the radiance they add to the skin. These days a number of beauty products that are using the herbal formulae and Ayurveda concepts have got lot of attention and have been witnessing a huge rise in demand not only nationally but on international arena. The charm of understanding herbal product is even you can use it by making certain combination at your home and get the benefits. These are economical and sure to provide alleviate the problems not only for skin but for long term health issues also. Herbal products combine the skills of specialists in chemistry, physics, biology, medicine and herbs. These are less likely to cause any damaging effect to health. Bath and beauty products use herbs for both their scents and therapeutic qualities. Herbal products are replacing the synthetics products because of its harsh nature. Herbal products are in huge demand in the developed world for health care for the reason that they are efficient, safe and have lesser side effects. The formulations based on herbs are safe and effective. To exploit the knowledge that has got the genesis in our country the book aims to provide you a comprehensive information on different types of herbal Cosmetics formulas. The contents of the book are: Analysis of Creams, Infra-Red Spectrophotometer In Cosmetic Analysis, Infra Red Spectrophotometer In Cosmetic Analysis, Analysis of Creams, Analysis of Shampoos, Lal Tooth Powder, Bath and Massage Oil, Sun Care/Skin Lightening Compound, Herbal Liver Tonic, Vicks Like Compound, hair oil, Eye Drops, Packaging Criteria for Cosmetics and Toiletries, Vicks Like Compound, Cosmetics for Elderly People, Cough Syrup, Colour in Cosmetics, Herbal Liver Tonic, Herbal Formulation, Medicinal Herbs as Cosmetics, Medicinal & Massage Oils, Herbal Cosmetic Cream for Dry Skin, Herbal Deodorant Roll On, Drug Standardization, Guide Lines on GMP, Premises and Equipment Requirements, Aloe Gel, Tablets and Capsule, Sandalwood Oil and Machinery Section. The Third Revised Edition of Herbal cosmetics and Ayurvedic medicines (EOU) also includes photographs of machinery and equipments with addresses of their manufacturers. The book in general will be beneficial for entrepreneurs, industrialists, project consultants, libraries and in general all those looking for detail information.

Handbook on Herbal Medicines

Author: H Panda
Format: Paperback
Book Code: NI36
Pages: 478
ISBN: 8178330911
Price: **Rs.** 750.00 **US$** 100.00

India is said to be having advantage of well-recorded and well practiced knowledge of traditional herbal medicine. Herbal medicine products are dietary supplements that people take to improve their health. Many herbs have been used for a long time for claimed health benefits. Herbal medicines are the combination of curative experiences of generations of practises of physicians of aboriginal systems of medicine from time immemorial. Herbal medicines are as well in huge demand in the developed world for health care for the reason that they are efficient, safe and have lesser side effects. They offer cure for various diseases which do not have any modern medicine likes memory loss, osteoporosis, immune disorders, etc. Their use in the developed world has also increased. The herbal medicines today symbolize safety in contrast to the synthetics that are regarded as unsafe to human and environment. In the primeval times, the Indian sagacious held the view that herbal medicines are the only resolution to treat numeral health related problems and diseases. Although herbs had been priced for their medicinal, flavouring and aromatic qualities for centuries, the synthetic products of the modern age surpassed their importance, for a while. However, the blind dependence on synthetics is over and people are returning to the naturals with hope of safety and security. This means there is immense potentiality in the market considering the fact the present book aims to provide you comprehensive knowledge. The book contains Formulae of different Herbal Medicines used in all kind of diseases. The chapters of the book are: Use of herbal medicines for masses, commonly available plants tested for lowering blood sugar, cure of goitre by Ayurvedic herbal medicines, clinical study of chalcopyrite tables in the management of common symptoms of acid dyspepsia holistic management of bronchial asthma, drugs for skin allergy, role of Ayurveda in veterinary science, manufacturers index, botanical name of drugs, research abstracts, Ayurveda on the web databases , drugs and their equivalents along with a directory section. Research scholars, professional students, scientists, new entrepreneurs, and present manufacturers will find valuable educational material and wider knowledge of herbal medicine in this book. Comprehensive in scope, the book provides solutions that are directly applicable to the detailed information of herbal medicine.

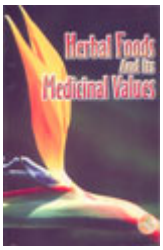
Handbook on Ayurvedic Medicines with Formulae, Processes & Their Uses (2nd Revised Edition)

Author: H. Panda
Format: Paperback
Book Code: NI47
Pages: 576
ISBN: 9789381039250
Price: **Rs.** 1,475.00 **US$** 150.00

Ayurvedic medicine (also called Ayurveda) is one of the world's oldest medical systems. It originated in India and has evolved there over thousands of years. It is a holistic healing science. Ayurvedic practice involves the use of medications that typically contain herbs, metals, minerals, or other materials. Now-a-days people are attracted more towards Ayurvedic medicines as the allopathic medicines are costlier and have side effects. There is more and more scientific research being conducted in our country for treatment of various diseases by Ayurvedic and herbal therapy. Research on medicinal and cosmetic uses of herbs is contributing to the growth of herbal industry. A large number of ailments have Ayurvedic treatment much superior to the other system of medicines and this has been recognized world over. Medicine has become an increasingly accepted alternative medical treatment in America during the last two decades. Up to 80% of people in India use either Ayurveda or other traditional medicines. It is believed that building a healthy metabolic system, attaining good digestion and proper excretion leads to vitality. India is said to have advantage of well recorded and well practiced knowledge of traditional herbal medicines. Herbal products are in huge demand in the developed world for health care, for the reason that they are efficient, safe and have lesser side effects. Efforts have been made on this book to enable readers to explore details regarding medicinal plants and their processing, learn about the unique composition of Rooh Afza, a clinical study of Chyavanaprash produced by Ayurveda rasashala, a clinical assessment of effect of triphala inlipoma, formulae and processes of different types of Ayurvedic Medicines like churan, capsules, syrup, sharbat, pastes etc that are used in various ailments. It also highlights preparation and uses of every product accompanied with their formulations which offers relief from a variety of conditions, such as cold and flu symptoms, headaches, toothaches, sore throats, high cholesterol, vision problems, anxiety, depression etc. Special content on machinery equipment photographs along with supplier details has also been included. We hope that this book will meet every individual need who has thrust to explore and enter into the field of medicinal herbs processing.

Herbal Foods and its Medicinal Values

Author: H. Panda
Format: Paperback
Book Code: NI96
Pages: 768
ISBN: 8186623744
Price: **Rs.** 1,275.00 **US$** 125.00



Food has been a basic part of our existence. Through the centuries we have acquired a wealth of information about the use of food as a part of our community, social, national and religious life. It has been used as an expression of love, friendship and social acceptance without knowing the medicinal values of such food. India is one of the leading herbal food producer and exporter in the world. Traditional use of herbal medicines is recognized as a way to learn about potential future medicines. Several meticulous researches were conducted and experimented with herbal food. They arrived at more precise conclusions about the usefulness of diverse plants and herbs that are utilized in field like medicine. Now a day people are very much aware of the ingredients in synthetic drugs, the benefits of herbal products and harmful effects of chemical ingredients. Herbal medicines are in huge demand in the developed world for health care for the reason that they are efficient, safe and have lesser side effects. The formulations based on herbs are safe and effective. Herbal plants constitute a large segment of the flora, which provide raw materials for use by various industries. They have been used in the country for a long time for their medicinal properties. The decision to cultivate medicinal herbs should only be made in response to demand for particular herbs. The market is very competitive and could easily be oversupplied. The major contents of the book are carbohydrates, chemistry of carbohydrates daily requirement of carbohydrates, proteins, chemistry of proteins, some Indian food preparations rich in proteins, dynamic action of vitamin A, absorption and excretion of vitamin A, medicinal uses of ripe mango, mango in the treatment of night blindness etc. This book for the first time reveals the exact medicinal characteristics and how it works and cures the different disease to make mankind healthy. This book is very useful for scientists, doctors, scholars as well as entrepreneurs.

Handbook on Herbal Drugs and its Plant Sources

Author: H. Panda
Format: Paperback
Book Code: NI97
Pages: 596
ISBN: 8186623736
Price: **Rs.** 1,000.00 **US$** 100.00

India is a large repository of herbal drugs and become a big centre and fountain in the field of herbal therapy and beautification. Treatment through the herbs is very popular in the ancient time in Indian subcontinent and now approaching to new boundaries. Plants had been used for medicinal purposes long before recorded history. It is becoming more main stream as improvements in analysis and quality control along with advances in clinical research show the value of herbal medicine in the treating and preventing disease. Herbal medicine is used to treat many conditions, such as asthma, eczema, migraine, etc. Medicinal plants have been used as a major source of therapeutic agents by human being for thousands of years. Ancient men obtained more than 90% of his medicaments from higher plants. However, the importance of plants as a source of drugs decreased to certain extent. In spite of the fact that synthetic drugs and antibiotics have improved the life expectancy of man, plants still constitute as one of the major sources of raw materials for drugs all over the world. Now a day people are very much aware of the ingredients in synthetic drugs, the benefits of plant products and harmful effects of chemical ingredients. Herbal drugs are in huge demand in the developed world for health care for the reason that they are efficient, safe and have lesser side effects. The formulations based on herbs are safe and effective. The major content of this book are an ancient drug for filariasis, tribal remedies against snake bite and scorpion stings in Rajasthan, traditional herbal contraceptives from North-West Uttar Pradesh, cervical spondylosis through herbal drugs, medicinal uses of cucurbits, traditional Chinese herbal drugs in the light of scientific studies, significant medical plant, medicinal and poisonous plants in history. This particular book clearly describes chemical analysis, the original source drugs, biological activity, herbal preparation of medicine, and many more. This book also contains description of more than 200 medicinal plants which is beneficial to scientists and scholars.

Handbook on Unani Medicines with Formulae, Processes, Uses and Analysis

Author: NIIR Board of Consultants and Engineers
Format: Paperback
Book Code: NI103
Pages: 678
ISBN: 8178330423
Price: **Rs.** 1,100.00 **US$** 125.00

As an alternative form of medicine, Unani has found favour in India. These Unani practitioners can practice as qualified doctors in India, as the government approve their practice. Unani medicine is very close to Ayurveda. Both are based on theory of the presence of the elements (in Unani, they are considered to be fire, water, earth and air) in the human body. According to followers of Unani medicine, these elements are present in different fluids and their balance leads to health and their imbalance leads to illness. Government have exclusive department of Indian system of medicine inclusive of Unani under Health ministry and several states have department and institutions to ensure the proper regulation and development of Unani medicine in India. Herb gardens, nursery of medicinal plants, experimental and field scale cultivation are the major initiatives taken for the improvement of medicine. Skin disease, liver disorder, sexual disturbances, pulmonary, sinus and communicable diseases are the major effective treatment achieved areas for Unani. Tremendous progress has been registered in the development of modern medicine. Yet, medicinal plants continue to be an important source of drugs throughout the world. Unani medicine is one of them, plant as a source of drugs of much more important for the developing countries. This book majorly deals with the, habitat, description, procedure and time of collection, chemical constituents, method of processing, therapeutic uses of medicinal plants. This book also constitutes the list of institutes of Unani medicines, list of college of Unani medicines in India, world importers of natural medicine. This publication is one of its kinds which clearly indicate the usefulness of Unani medicine, shows how the plant secrets, preserve the natural secrets/ hormones/ juices which ultimately uses in Unani system of medicine. This book is most informative and useful for students, Research scholars and scientist. We hope this book will achieve the long standing demand of herbal chemists.

Herbs & Herbal Products Finder, Directory of Herbs, Herbal Medicines, Cosmetics, Herbal Products, Essential Oils, Perfumes, Pan Masala & Tobacco Products

Author: NIIR Board
Format: Paperback
Book Code: NI133
Pages: 988
ISBN: 8186623671
Price: **Rs.** 1,600.00 **US$** 220.00

This directory (B2B database) basically deals with list of institutes, consultants, specialist for different medicinal, aromatic and herbs cultivation, supplier of seeds, planting materials for different medicinal and aromatic plants, herbal medicinal plants, herbs, leaves health care products, pan masala, tobacco & tobacco products perfumery compounds, chemicals, pesticides, spices, fragrances & flavors association of India, organization of pharmaceutical producers of India, pesticides, association of India pesticides manufactures & formulators association of India pharmaceutical and allied manufacturers distributors, ingredients suppliers for cosmetics (foreign) etc. This is the first Directory of its kind which covers addresses, phone and fax nos., e mail, product details of manufacturers of Herbal products, Medicines, Essential Oils, Perfumes, Pan Masala and Tobacco products along with Consultants, Importers, Exporters, Suppliers & Manufacturers of Plant & Machinery etc. The directory will be very helpful for new entrepreneurs, professionals, libraries and suppliers of herbs and other ingredients to these industries.

Manufacturers & Exporters of Herbal Products (All India)

Format: CD-Rom
Book Code: NID79
Price: **Rs.** 2,070.00 **US$** 200.00
Contains: Complete details of more than 2500 Companies Including Name, Full Postal Address, Including City, Pin Code, Phone No.*,E-mail*.

Cultivation and Processing of Selected Medicinal Plants

Author: NIIR Board of Consultants and Engineers
Format: Paperback
Book Code: NI175
Pages: 600
ISBN: 8178330032
Price: **Rs.** 1,175.00 **US$** 125.00

Medicinal plants are important for human health. These plants have been used from the prehistoric times to present day. These plants based medicines are consumed in all civilizations. It is believed that the herbal medicine can give good effect to body without causing side effects to human life. Medicinal plants are not only a major resource base for the traditional medicine & herbal industry but also provide livelihood and health security to a large segment of Indian population. Medicinal plants constitute a large segment of the flora, which provide raw materials for use by various industries. They have been used in the country for a long time for their medicinal properties. These plants are staging a comeback and herbal renaissance is happening all over the globe. The herbal medicines today symbolise safety in contrast to the synthetics that are regarded as unsafe to human and environment. Although herbs had been priced for their medicinal, flavouring and aromatic qualities for centuries, the synthetic products of the modern age surpassed their importance, for a while. However, the blind dependence on synthetics is over and people are returning to the naturals with hope of safety and security. Besides, the usage of medical plants has been increasing as an important role that can support the economic system. Ayurveda, the well known indigenous system of medicine, is still regarded as a well organised traditional health care for large sections of rural as well as urban population of India. The medicinal plants sector at present is not well organised and needs special attention. Although different Ministries and Department in the Government sector and NGOs and individuals in the private sectors are making their efforts in different directions, yet there is a need to co ordinate and systematize. The medical plants for health are used as herbal treatments and therapies that can be new habits for culture. The market is very competitive and could easily be oversupplied. This book basically deals with therapeutic potential of medicinal plants, medicinal plants priorities in Indian medicines diverse studies and implications, recent developments of some natural products, production and management of medical plants on farms, classification, identification and naming of medicinal plants, pests and pest management in medicinal plants, Ajmalicine (Raubasine): a medicinally important alkaloid from catharanthus roseus (vinca rosea), cultivation of rutin bearing eucalyptus species, iridoids and secoiridoids of the genus swertia, studies on medico ethnobotany, tropical periwinkle, tulsi, etc. The present book covers cultivation practices of selected commercially important medicinal plants with their processing details and uses. The book is very resourceful for medicinal plants growers, professionals, researchers, entrepreneurs and agriculture universities.

The Complete Book on Jatropha (Bio-Diesel) with Ashwagandha, Stevia, Brahmi & Jatamansi Herbs (Cultivation, Processing & Uses)

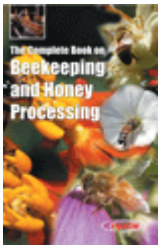
Author: NIIR Board of Consultants and Engineers
Format: Paperback
Book Code: NI176
Pages: 592
ISBN: 8178330040
Price: **Rs.** 1,500.00 **US$** 150.00

Jatropha proves to be a promising Biofuel plantation and could emerge as a major alternative to diesel thus reducing our dependence on oil imports and saving the precious Foreign Exchange besides providing the much needed energy security. Jatropha oil displacing conventional fossil fuel makes the related project fully eligible. The Jatropha plantation primarily focuses cultivated green biodiesel as an alternate source of fuels that can propel engines, generators and transportation as well as power generation in the future and replace existing sources. The main factor that makes the major difference is the cost of the bio fuel that it can be made cheaper than the petro diesel and on a long term basis without affecting the operational economics. Ashwagandha (also called as, Indian Ginseng), Stevia a natural non caloric sweetener, Brahmi (brain tonic) and Jatamansi are the important herbs which have very good medicinal values. Ashwagandha increases the count of white blood cells and prepares the body to produce antigens against various infections and allergies. It is also considered as a tonic for the heart and lungs as its regular intake controls the blood pressure and regulates the heartbeat. It has a strong nourishing and protective effect on the nervous system. Ashwagandha has been used as a sedative, a diuretic, a rejuvenating tonic, an anti inflammatory agent, aphrodisiac and an immune booster. It is especially beneficial in stress related disorders such as arthritis, hypertension, diabetes, general debility, etc. It has also shown impressive results when used as stimulants for the immune system. It is considered as an adaptogen that stimulates the immune system and improves the memory. Stevia also known as the sweet leaf which is an all natural sweetener, derived from a plant called stevia rebaudiana. It has no calories, no carbohydrates, and it has a glycemic index of zero, which makes it the sweetener of choice for many diabetics all over the world. The herbs are carefully nurtured and harvested at only certain times of the year. Stevia comes in many forms; stevia supreme, stevita ultimate stevia, stevita liquid stevia, fruit flavoured stevia and many more. Brahmi is used as a herbal brain tonic, to rejuvenate the body, as a promoter of memory and as a nerve tonic. It improves memory and helps overcome the negative effects of stress. It is unique in its ability to invigorate mental processes whilst reducing the effects of stress and nervous anxiety. Brahmi induces a sense of calm and peace. Brahmi has gain worldwide fame as a memory booster and mind alertness promoter. Jatamansi has the power to promote awareness and calm the mind. It is a very useful herb for palpitation, tension, headaches, restlessness and is used for promoting awareness and strengthening the mind. It aids in balancing the body of all three Ayurvedic doshas. This herbs sedative properties increase awareness, as opposed to valerian that dulls the mind. Aromatic, antispasmodic, diuretic, emmenagogue, nervine, tonic, carminative, deobstruent, digestive stimulant, reproductive some of the properties of Jatamansi herb. This book is describes about the medical properties, important uses and applications, cultivation, chemical constituents, harvesting and post harvesting, yield and other properties of herbs like safed mulsi, brahmi, jatamansi, ashwagandha, senna, shatavari and more. This book also deals with biodiesel, biofuel and petro crops : an alternative to conventional fuels, the potential of jatropha curcas in rural development and environment protection, prospects of expanding market for use of jatropha oil, jatropha: potential as insecticide/pesticide etc. The present system of medicine is gradually gaining popularity mainly because of less or no toxic or side effects of herbal drugs. So, these

herbs have very good future prospects globally. This book contains cultivation, processing and uses of Jatropha, Ashwagandha (Withania somnifera), Stevia rebaudiana, Brahmi (Bacopa monnieri) and Jatamansi (Nardostachys Jatmansi DC.). This book will prove to be an invaluable resource for researchers, technocrats, agriculturist, agriculture universities etc.

The Complete Book on Beekeeping and Honey Processing (2nd Revised Edition)

Author: NPCS Board of Consultants & Engineers
Format: Paperback
Book Code: NI203
Pages: 544
ISBN: 9788190568555
Price: **Rs.** 1,475.00 **US$** 150.00



Beekeeping is the maintenance of honey bee colonies, commonly in hives, by humans. Bees are accommodated in artificial lives where they live comfortably within easy reach of the bee keeper for examination and extraction of surplus lovely, after keeping of sufficient lovely in the combs for the bees. Honey is a part of bees, which gather sugar containing nectars from flowers. Honey should be processed as soon as possible after removal from the hive. Honey processing is a sticky operation, in which time and patience are required to achieve the best results. Careful protection against contamination by ants and flying insects is needed at all stages of processing. Bee honey is natural, unrefined food consumed as much in fresh or canned state. It is readily assimilated and is more acceptable to the stomach, particularly in the case of ailing persons, than cane sugar. It is an antiseptic and is applied to wounds and burns with beneficial results. Honey collection and its marketing in India are still not fully organised. The main uses of honey are in cooking, baking, as a spread on breads and as an addition to various beverages such as tea and as a sweetener in commercial beverages. Honey is the main ingredient in the alcoholic beverages mead, which is also known as honey wine or honey bear, honey is also used in medicines. A number of small scale industries depend upon bees and bee products. Honey and bees products finds use in several industries which are under; pharmaceuticals, meat packing, bees wax in industries, bee venom, royal jelly, bee nurseries, bee equipments and hives etc. There is considerable demand for the honey and other products. Outside the thousands of homemade recipes in each cultural tradition, honey is largely used on a small scale as well as at an industrial level. Some of the fundamentals of the book are history of beekeeping in India present, all India co ordinate research project on honey bee research and training, future plan for development, the pattern of beekeeping today, development of beekeeping equipments, beekeeping industry and honeybee species, bee hive products, medicinal properties of honey, bees and agriculture, pesticidal poisoning to honeybees, handling bees, queen rearing and artificial queen, beekeeping and ancillary industries, honey based industries, honey in pharmaceuticals, honey in meat packing, beeswax in industries, bee stings precautions and treatment. The book contains the steps of bee keeping in proper manner and details of honey processing. This book is an invaluable resource for new entrepreneurs, technocrats and also for established enterprises.

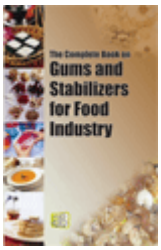
Handbook on Drugs from Natural Sources

Author: H. Panda
Format: Paperback
Book Code: NI229
Pages: 480
ISBN: 9788178331331
Price: **Rs.** 1,175.00 **US$** 125.00

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.

The Complete Book on Gums and Stabilizers for Food Industry

Author: H. Panda
Format: Paperback
Book Code: NI231
Pages: 480
ISBN: 9788178331317
Price: **Rs.** 1,275.00 **US$** 125.00



Gums are plant flours (like starch or arrowroot) that make foods & other products thick. Gums are used in foods for many reasons besides being used as a thickener. Gums are important ingredient in producing food emulsifier, food additive, food thickener & other gum products. The main reason for adding a gum or hydrocolloid to a food product is to improve its overall quality. India is the largest producer of gums specially guar gum products. Similarly stabilizers are an indispensable substance in food items when added to the food items, they smoothens uniform nature and hold the flavouring compounds in dispersion. Gum technology stabilizers are carefully controlled blends of various food ingredients. Most processed foods need some sort of stabilization at some point during production, transportation, storage and serving. The science and technology of hydrocolloids used in food and related systems has seen many new developments and advances over recent years. The breadth and depth of knowledge of gums and stabilizers has increased tremendously over the last two decades, with researchers in industry and academia collaborating to accelerate the growth. Gums as food constituents or as food additives can influence processing conditions in the following ways; retention of water, reduction of evaporation rates, alteration of freezing rates, modification of ice crystal formation and participation in chemical reactions. Some of the fundamentals of the book are functions of gum, typical food applications, gums in food suspensions, rheology and characters of gums, natural product exudates, flavor fixation, ice cream, ices and sherbets, gelation of low methoxyl pectin, seaweed extracts, microbial gums, transformation of collagen to gelatin, cellulose gums, dairy food applications, bakery product applications, analysis of hydrocolloids, gums in food products, general isolation of gums from foods, identification of gums in specific foods, group analysis and identification schemes, group identification methods, qualitative group analysis etc. This book contains rheology of gums, plant sheet gums, microbial gums, cellulose gums and synthetic hydrocolloids different stabilizers used in food industry. The book will be very resourceful to all its readers, new entrepreneurs, scientist, food technologist, food industries etc.

About NIIR

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