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Handbook on Pig Farming and Pork Processing - NPCS Board of Consultants & Engineers 2018-05-06

Pig farming is the raising and breeding of pigs. Among the various livestock species, piggery is most potential source for meat production and pigs are more efficient feed converters after the broiler. Pig rearing has traditionally been in the main occupational axis of the socially backward down-trodden class of Indian population since time immemorial. But at present commercial pig farming has greatly changed social scenario of this business in India. Now everyone is conscious about the economic importance of pig farming. Pig farming for meat production is one of the best and profitable business ideas for people. There are several highly meat producing pig breeds available and Initial requirements of small investment, quick returns and utilization of bristles and manure further increase the importance of this animal. This handbook is designed for use by everyone engaged in the pork production. The book explains about how to raise and care for pigs, by choosing the right breed, how to house, feed and breed them, butchering process, manufacturing process of various pork products and sample plant layouts & process flow sheets with machinery details. Major contents of the book are behavior of pigs, feeding management, pig breeding, housing management, diseases, pork processing, sausages, bacon, cooked ham, chilling and freezing of meat, meat packaging. It will be a standard reference book for professionals, food technologists, entrepreneurs, and others interested in startup of pig farming and pork production. TAGS Pig Farming Project in India, Pig Farming Business Plan in India, Pig Farming in India, How to Start Piggery Farm, How to Start Pig Farming in India, Pig Farming Project Report, How to Start Pig Farming and Pork Processing Business, Pig Farming, How to Start Small Pig Farm, Piggery Farming, Small Scale Pig Farming, Pig Farming Guide, Opportunities in Small Scale Pig Farming, Pig Farming and Pork Processing, Industrial Pig Farming, Low Cost Pig Farming, Business of Pig Farming, Pig Farming Business, Industrial Livestock Farming, Starting Pig Farm, How to Start Pig Farming, How to Start Pig Farm Business, How to Start Commercial Pig Farming Business, How to Raise Pigs, Pig Farming for Beginners, Pig Farming Project, Pig Farming For Profit, Commercial Pig Farming, Guide to Start Your Own Piggery, Beginners Pig Farming Guide, Pig Farming Business Guide, Commercial Piggery Business, How to Start Profitable Pig Farming Business, How to Raise Pigs, Business Opportunities in Pig Farming, Raising Pigs for Meat, How to Raise Pig for Meat, How to Raise Pig for Profit on Small Farm, Pig Rearing, Rearing Pigs, Rearing Pigs for Meat, Pig Rearing Project, Profitable Pig Rearing, Guide to Profitable Investment in Pig Farming, Guide to Raising Pigs, Small Scale Pig Raising, Pig Farming Project Ideas, Projects on Small Scale Industries, Small Scale Industries Projects Ideas, Project Profile on Small Scale Industries, How to Start Pig Farming in India Project Report on Pig Farming, Detailed Project Report on Pig Farming, Project Report on Pig Farming, Pre-Investment Feasibility Study on Pig Farming, Techno-Economic Feasibility Study on Pig Farming, Feasibility Report on Pig Farming, Free Project Profile on Pig Farming ,Project Profile on Pig Farming, Download Free Project Profile on Pig Farming, Industrial Project Report, Project Consultant, Project Consultancy, NPCS, Niir, Process Technology Books, Business Consultancy, Business Consultant, Project Identification and Selection, Preparation of Project Profiles, Startup, Business Guidance, Business Guidance to Clients, Startup Project for Pig Farming, Startup Project, Startup Ideas, Project for Startups, Startup Project Plan, Business Start-Up, Business Plan for Startup Business, Great Opportunity for Startup, Small Start-Up Business Project, Project Report for Bank Loan, Project Report for Bank Finance, Project Report Format for Bank Loan in Excel, Excel Format of Project Report and CMA Data, Project Report Bank Loan Excel, Detailed Project Plan Reports

[Nutrition, Lipids, Health, and Disease](#) - Augustine S. H. Ong 1995

Antioxidant activities of phenolic compounds in solutions membranes,

and lipoprotein. Nutrition and biochemistry of the lipophilic antioxidants vitamin E and Carotenoids. Biokinetics of human plasma vitamin E concentrations. Free-radical regulatory and immunomodulatory effects of bio-normalizer. Effect of dietary factors on the metabolism of essential fatty acids-focusing on the components of spices. Studies on green tea polyphenols antioxicadative and protctive effects on biomembranes. Phenolic antioxidant components of evening primrose. Tocotrienols and cholesterol metabolism. Tocotrienols-A dose-dependent inhibitor for HMG CoA reductase. The cholesterol-and tumor suppressive actions of palm oil isoprenoids. Anti-cancer properties of tocotrienols from palm oil. the ubiquinones of palm oil. Effects of soybean oil supplement im palm oil dieta on weight gain and tissue lipids of rats. Effects of pal oil as a dietary supplement on Eel culture.Role of n-3 fatty acids in cultured cardiomyocyte. Enhancement of PG12 formation by eicosapentaenoic acid in rat vascular smooth muscle cells. Inhibition of DNA-biosynthesis by B-Carotene in the P-388 lymphocytic leukemia cell. the relation between serum lipids and lipoprotein levels. Uses of lipophore system for lipoprotein electrophoresis of human lipemic plasma. Effect of low-fat and low-protein diets on cholesterol metabolism in the aortas, livers, and small intestine of male albino rats. Effects of a decrease in linoleic acid intake on indices of cardiovascular risk and lipid peroxidation. Conjugated diene fatty acids in human and animal tissues. Deficiency of n-3 polyunsaturated fatty acids in the retina brains, and liver of chow-fed ghinea pigs. Fat-modified eggs. Palm oil consumption effects on urinary excretions of phytoestrogens and estrogenic steroids. Calories, fat and cancer. Antioxidants in the prevention of oral cancer. Role of antioxidants in healing gastric ulcers. role of different types of dietary fat in experimetal alcoholic liver disease. use of natural antioxidants as a prophylactic for neurological disordes. Dietary implications for parasitic and viral infectious disease. Vitamin C metabolism in malaria. Nutrition in populations.

[Koda-Kimble and Young's Applied Therapeutics](#) - Brian K. Alldredge 2012-02-01

Rev. ed. of: Applied therapeutics: the clinical use of drugs / edited by Mary Anne Koda-Kimble ... [et al.]. 9th ed. c2009.

Cancer Epidemiology and Prevention - Michael J. Thun 2017-11-14
Preceded by Cancer epidemiology and prevention / edited by David Schottenfeld, Joseph F. Fraumeni Jr. 3rd ed. 2006.

[Desert Olive Oil Cultivation](#) - Zeev Wiesman 2009-06-24

Due to the adverse stress conditions typical of olive cultivation in desert conditions, the olive tree is responding with production of high levels of antioxidant substances. Among these substances are polyphenols, tocopherols, and phytosterols. Studies have shown that saline irrigated varieties of olives have demonstrated advantages over those irrigated with tap water. This is just one of the aspects of desert cultivation of olives that is covered in Desert Olive Oil Advanced Biotechnologies. Based on 20 years of research, the book expounds on the appropriate selection of olive varieties with high productivity and oil quality, the impact of foliar nutrition on decreasing alternate bearing and increasing fruit quality, improving efficiency of mechanical harvesting, and increasing efficiency of oil extraction and oil quality regulating analysis. Addresses olive cultivation methods for semi-arid environments Focuses on intensive cultivation using saline and municipal waste recycled irrigation water and their significant impact on the production and nutritional value of olive oil Integrated and multidisciplinary approaches providing a comprehensive view of the desert olive industry Provides key considerations including ecological, biotechnological, agricultural and political impacts

[Modern Technology Of Oils, Fats & Its Derivatives \(2nd Revised Edition\)](#) - NIIR Board 2013-02-05

Until recently fats and oils have been in surplus, and considered a relatively low value byproduct. Only recently have energy uses of fats and oils begun to be economically viable. Food value of fats and oils is

still far above the energy value of fats and oils. Industrial and technical value of fats and oils is still above the energy value of fats and oils. Animal feeds value of fats and oils tends to remain below the energy value of fats and oils. With development of new technology oils and fats industry has undergone a number of changes and challenges that have prompted the development of new technologies, and processing techniques. Oils and fats constitute one of the major classes of food products. In fact oils and fats are almost omnipresent in food processing - whether naturally occurring in foods or added as ingredients for functional benefits and, despite the impression given by several sources to the contrary; they remain an essential part of the human diet. However, it is increasingly apparent that both the quantity and the quality of the fat consumed are vital to achieve a balanced diet. They are essential constituents of all forms of plant and animal life. Oils and fats occur naturally in many of our foods, such as dairy products, meats, poultry, and vegetable oil seeds. India is the biggest supplier of greater variety of vegetable oil and still the resources are abundant. The applications of oils are also seen in paints, varnishes and related products. Since the use of oils and fats in our daily life is very noticeable the market demands of these products are splendid. Special efforts has been made to include all the valuable information about the oils, fats and its derivatives which integrates all aspects of food oils and fats from chemistry to food processing to nutrition. The book includes sources, utilization and classification of oil and fats followed by the next chapter that contain details in physical properties of fat and fatty acids. Exquisite reactions of fat and fatty acids are also included in the later chapter. It also focuses majorly in fractionation of fat and fatty acids, solidification, homogenization and emulsification, extraction of fats and oils from the various sources, detail application in paints, varnishes, and related products is also included. It also provides accessible, concentrated information on the composition, properties, and uses of the oils derived as the major product followed by modifications of these oils that are commercially available by means of refining, bleaching and deodorization unit with detailed manufacturing process, flow diagram and other related information of important oils, fats and their derivatives. Special content on machinery equipment photographs along with supplier details has also been included. We hope that this book turns out to be considerate to all the entrepreneurs, technocrats, food technologists and others linked with this industry. TAGS Best small and cottage scale industries, Business consultancy, Business consultant, Business guidance for oils and fats production, Business guidance to clients, Business Plan for a Startup Business, Business start-up, Chemistry and Technology of Oils & Fats, Chemistry of Oils and Fats, Classification of oils and fats, Complete Fats and Oils Book, Extraction of fats and oils, Extraction of Olive Oil, Extraction of Palm Oil, Fat and oil processing, Fats and oils Based Profitable Projects, Fats and oils Based Small Scale Industries Projects, Fats and oils food production, Fats and Oils Handbook, Fats and Oils Industry Overview, Fats and oils making machine factory, Fats and oils Making Small Business Manufacturing, Fats and oils Processing Industry in India, Fats and oils Processing Projects, Fats and oils production Business, Fatty acid derivatives and their use, Fatty acid production, Fatty Acids and their Derivatives, Fractionation of fats and fatty acids, Great Opportunity for Startup, How cooking oil is made, How to Manufacture Oils, Fats and Its Derivatives, How to Start a Fats and oils Production Business, How to Start a Fats and oils?, How to start a successful Fats and oils business, How to start fats and oils Processing Industry in India, Manufacture of oils and fats, Manufacture of Soluble Cutting Oil, Manufacturing Specialty Fats, Modern small and cottage scale industries, Most Profitable fats and oils Processing Business Ideas, New small scale ideas in Fats and oils processing industry, Oil & Fat Production in the India, Oil and Fats Derivatives, Paints and varnishes manufacturing, Paints, varnishes, and related products, Preparation of Project Profiles, Process technology books, Process to produce fatty acid, Processing of fats and oils, Production of fatty acid, Profitable small and cottage scale industries, Profitable Small Scale Fats and oils manufacturing, Project for startups, Project identification and selection, Properties of fats and fatty acids, Reactions of fats and fatty acids, Rice bran oil manufacturing process, Setting up and opening your Fats and oils Business, Small scale Commercial Fats and oils making, Small Scale Fats and oils Processing Projects, Small scale Fats and oils production line, Small Start-up Business Project, Start Up India, Stand Up India, Starting a Fats and oils Processing Business, Startup, Start-up Business Plan for Fats and oils processing, Startup ideas, Startup Project, Startup Project for Fats and oils processing, Startup project plan, Tall Oil Formulation in Alkyd Resins, Tall oil in liquid soaps, Tall oil in rubber,

Tall oil in the plasticizer field, Tall oil products in surface coatings, Utilization of nonconventional oils, Utilization of oils and fats Soaps, Detergents and Disinfectants Technology Handbook- 2nd Revised edition (Washing Soap, Laundry Soap, Handmade Soap, Detergent Soap, Liquid Soap, Hand Wash, Liquid Detergent, Detergent Powder, Bar, Phenyl, Floor Cleaner, Toilet Cleaner, Mosquito Coils, Naphthalene Balls, Air Freshener, Hand Sanitizer and Aerosols Insecticide) - NPCS Board of Consultants & Engineers 2019-01-01

Soaps are cleaning agents that are usually made by reacting alkali (e.g., sodium hydroxide) with naturally occurring fat or fatty acids. A soap is a salt of a compound known as a fatty acid. A soap molecule consists of a long hydrocarbon chain (composed of carbons and hydrogens) with a carboxylic acid group on one end which is ionic bonded to a metal ion, usually a sodium or potassium. The hydrocarbon end is nonpolar and is soluble in nonpolar substances (such as fats and oils), and the ionic end (the salt of a carboxylic acid) is soluble in water. Soap is made by combining tallow (or other hard animal fat) or vegetable or fish oil with an alkaline solution. The two most important alkalis in use are caustic soda and caustic potash. A detergent is an effective cleaning product because it contains one or more surfactants. Because of their chemical makeup, the surfactants used in detergents can be engineered to perform well under a variety of conditions. Such surfactants are less sensitive than soap to the hardness minerals in water and most will not form a film. Disinfectants are chemical agents applied to non-living objects in order to destroy bacteria, viruses, fungi, mold or mildews living on the objects. Disinfectants are chemical substances used to destroy viruses and microbes (germs), such as bacteria and fungi, as opposed to an antiseptic which can prevent the growth and reproduction of various microorganisms, but does not destroy them. The ideal disinfectant would offer complete sterilization, without harming other forms of life, be inexpensive, and non-corrosive. The global soap and detergent market is expected to reach USD 207.56 billion by 2025. The industrial soaps & detergents are extensively used by the commercial laundries, hotels, restaurants, and healthcare providers. Increasing demand from healthcare and food industries will continue to drive the market. Aerosol and liquid products are the common disinfectants used in hospitals, although growing number of healthcare facilities are implementing ultraviolet disinfection systems as further measure. Increasing demand for disinfectants from water treatment and healthcare industries is fuelling growth of the global disinfectants market. The major contents of the book are Liquid Soaps and Hand Wash, Liquid Soap and Detergents, Washing Soap: Laundry Soap Formulation, Antiseptic and Germicidal Liquid Soap, Manufacturing Process And Formulations Of Various Soaps, Handmade Soap, Detergent Soap, Liquid Detergent, Detergent Powder, Application and Formulae Of Detergents, Detergent Bar, Detergents Of Various Types, Formulating Liquid Detergents, Phenyl, Floor Cleaner, Toilet Cleaner, Mosquito Coils, Naphthalene Balls, Air Freshener (Odonil Type), Liquid Hand Wash and Soaps, Hand Sanitizer, Aerosols-Water and Oil Based Insecticide (Flies, Mosquitoes Insect and Cockroach Killer Spray), Ecomark Criteria for Soaps & Detergents, Plant Layout, Process Flow Chart and Diagram, Raw Material Suppliers List and Photographs of Machinery with Supplier's Contact Details. This book will be a mile stone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.

Cancer Epidemiology and Prevention - Michael Thun 2017-11-07
 "The definitive reference for budding and experienced cancer epidemiologists alike." -American Journal of Epidemiology "Practitioners in epidemiology and oncology will find immense value in this." -JAMA
 Since its initial publication in 1982, CANCER EPIDEMIOLOGY AND PREVENTION has served as the premier reference work for students and professionals working to understand the causes and prevention of cancer in humans. Now revised for the first time in more than a decade, this fourth edition provides a comprehensive summary of the global patterns of cancer incidence and mortality, current understanding of the major causal determinants, and a rationale for preventive interventions. Special attention is paid to molecular epidemiologic approaches that address the wider role of genetic predisposition and gene-environment interactions in cancer etiology and pathogenesis. New and timely chapters on environmental and social-epidemiologic factors include: · The role of social class disparities · The role of obesity and physical inactivity · The potential effects of electromagnetic fields and radiofrequency radiation · The principles of cancer chemoprevention For both seasoned professionals and newer generations of students and researchers, this fourth edition of CANCER EPIDEMIOLOGY AND PREVENTION remains

the authority in the field -- a work of distinction that every lab, library, student, professional, or researcher should have close at hand.

Agricultural Situation - 1981

Includes a review of the year and the outlook for the following year.

Clinical Oncology - Geoffrey R. Weiss 1993

This new LANGE medical book offers a concise but comprehensive review of oncology. It should be especially useful to medical students, residents, primary care physicians, nurses, physician's assistants, and other healthcare professionals. Stressing the approach to the patient with cancer, this book focuses on the key principles of diagnosis and management, describes ambulatory and supportive care issues including cancer pain management and management of treatment toxicities, and fully covers the major treatment modalities including surgery, radiotherapy, chemotherapy, hormonal therapy, and biological response modifiers. Special features include reviews of cancer prevention, cancer screening, hospice care, and the etiology and biology of cancer. The editor has assembled a distinguished panel of authors which has contributed a thorough and up-to-date reference for the student or practicing medical audience.

Detailed Project Profiles on Selected Hi-Tech Projects (Project Reports) - NIIR Board 1998-06-09

NIIR had identified some Hi-Tech Projects for the entrepreneurs and published a book on that projects which titled "Detailed Projects Profile on Selected Hi-Tech Projects". These Hi-tech projects are Aluminium Beverages cans, Beer industry, Compact Disc, Lap Top computers, Optical fibre cables, plastic I. V. Bottles, Solar Power Plant, Telephone Cables and XLPE cables. All the above projects are based on latest technologies. Each project present with uses and application, market position, manufacturing process, flow diagram. Suppliers of machineries and raw material along with cost estimation. These hi-tech projects have bright market potential and demand would be increased. This book is very informative and useful for relevant entrepreneurs.

Handbook on Agro Based Industries (2nd Revised Edition) - NPCS Board 2012-10-01

(LIMITED EDITION- ONLY PHOTOSTAT COPY AVAILABLE) The agro industry is regarded as an extended arm of agriculture. The development of the agro industry can help stabilise and make agriculture more lucrative and create employment opportunities both at the production and marketing stages. The broad based development of the agro products industry will improve both the social and physical infrastructure of India. India is one of the largest producers of food, and is the second largest producer of rice, wheat, fruits, and vegetables in the world. Nearly 70% of the population depend on agriculture and agro-based industries. Since it would cause diversification and commercialization of agriculture, it will thus enhance the incomes of farmers and create food surpluses. The agro industry mainly comprises of the post harvest activities of processing and preserving agricultural products for intermediate or final consumption. It is a well recognized fact across the world, particularly in the context of industrial development that the importance of agro industries is relative to agriculture increases as economies develop. It should be emphasized that food is not just produce. Food also encompasses a wide variety of processed products. It is in this sense that the agro-industry is an important and vital part of the manufacturing sector in developing countries and the means for building industrial capacities. Some of the fundamentals of the book are Aloe Vera juice, gel and powder, Coconut oil, Banana Powder, Charcoal from rice husk, Disposal plates from banana leaves, Drumstick powder, Ginger products, Mango pickles etc. A complete hand book covering most profitable agro based industries and contains profile on each industry has been presented with great efforts & care.

The Complete Book on on Tomato & Tomato Products Manufacturing (Cultivation & Processing)(2nd Revised Edition) - NPCS Board of Consultants & Engineers 2017-07-08

Tomato is one of the most popular fruit in the world. The products of tomato like paste, juice, ketchup, etc. are widely used in kitchens all around the world. Tomatoes and tomato-based foods are considered healthy for the reason that they are low in calories, but possess a remarkable combination of antioxidant micronutrients. Tomato industry has been growing significantly over the past several decades. Changing life style and taste of consumers in different countries will motivate the growth of the tomato products market. The industries can retain maximum market share by differentiating their products in the market, by coming up with innovative products and by focusing on different packaged tomato products. India is one of the largest consumers of tomatoes, as well as the second largest tomato producing country in the

world followed by China. Although raw tomato consumption is the mainstream means of consumption in today's India, the market for processed tomato is expected to expand in the near future considering the remarkable economic growth and dietary culture changes. Tomatoes are widely grown commodity with 136 mt production in the world. There is a big market for tomato products. The market scenario has revealed a positive indication for the specially packed tomato products in local as well as outside market. It is estimated that the total production of processed fruit & vegetable in India is about 15.0 lakh tonne. The major content of the book are varieties of tomato, select the best seeds and seedlings, growing preparation, canning of tomatoes, how to store & preserve tomatoes, basis for successful cultivation of tomato, crop husbandry, tomato pruning, dehydration/drying of tomatoes, canning of tomatoes, preserving by heating, tomato pulp, tomato paste, tomato ketchup, tomato juice, tomato powder, hazard analysis and critical control points, FPO and Agmark, products packaging, marketing. The purpose of this book is to present the elements of the technology of tomato preservation. The book explains raw material requirement, manufacturing process with flow diagrams of various tomato products with addresses of plant & machinery suppliers with their photographs. It deals with the products prepared from tomato commercially. It will be a standard reference book for professionals, entrepreneurs, food technologists, those studying and researching in this important area and others interested in the field of tomato products manufacturing. TAGS Agro Based Small Scale Industries Projects, Business plan for tomato paste production, Cost of tomato processing plant, Food Processing & Agro Based Profitable Projects, food processing business list, Food Processing Industry in India, Food Processing Projects, Free Project Profiles on Tomato processing, Functional Value-Added Fruit and Vegetable Processing, How to Start Food Processing Industry in India, how to start a food manufacturing business, How to Start a Food Production Business, How to Start a Tomato Production Business, How to Start Tomato Processing Industry in India, Investment opportunities in tomato processing, Techno-Economic feasibility study on Tomato processing, Most Profitable Food Processing Business Ideas, Most Profitable Tomato Processing Business Ideas, new small scale ideas in Tomato processing industry, Pre-Investment Feasibility Study on Tomato processing, Profitable Tomato Processing Business Opportunities, Profitable Value-Added Specialty Food Products - Profitable Plants, Setting up of Food Processing Units, Small Scale Food Processing Projects, Small scale tomato processing plant, Small Scale Tomato Processing Projects, Starting a Food or Beverage Processing Business, Starting a Tomato Processing Business, Tomato and Tomato-Based Products, tomato based products list, Tomato Based Small Scale Industries Projects, Tomato ketchup plant layout, Tomato ketchup processing plant, Tomato Paste Processing Plant, Tomato Processing & Tomato Based Profitable Projects, tomato processing and utilization, Tomato processing business plan, Tomato processing equipment, vegetables, fruit processing, Tomato processing industry in India, tomato processing industry pdf, Tomato processing line, Tomato processing plant cost India, Tomato Processing Projects, Tomato products manufacturing process, Tomato sauce making machine price in India, Tomato sauce plant cost, Tomato sauce project, Tomato Value Added Products, Value added products from tomato, Value Added Tomato Processing, Value addition to tomatoes, Value-Added Food Processing Technologies, Value-added food products processing, Technology book on tomato processing

International Directory of Fats and Oils Organizations - American Oil Chemists' Society 1996

Salt, Fat and Sugar Reduction - Maurice O'Sullivan 2020-03-24
Salt, Fat and Sugar Reduction: Sensory Approaches for Nutritional Reformulation of Foods and Beverages explores salt, sugar, fat and the current scientific findings that link them to diseases. The sensory techniques that can be used for developing consumer appealing nutritional optimized products are also discussed, as are other aspects of shelf life and physicochemical analysis, consumer awareness of the negative nutritional impact of these ingredients, and taxes and other factors that are drivers for nutritional optimization. This book is ideal for undergraduate and postgraduate students and academics, food scientists, food and nutrition researchers, and those in the food and beverage industries. Provides a clear outline of current legislation on global ingredient taxes Demonstrates effective protocols, sensory, multivariate and physico-chemical for salt, fat and sugar reduction Outlines reduction protocols, with and without the use of replacer

ingredients for salt, fat and sugar reduction Illustrates the full process chain, consumer to packaging, and the effects of reformulation by reduction of ingredients

The Uruguay Round Agreement on Agriculture An Evaluation of its Implementation in OECD Countries - OECD 2001-05-03

This book evaluates the implementation of the Uruguay Round on Agriculture, how effective it has been, and what policy lessons can be drawn.

Community-based Nutrition Support for People Living with HIV and AIDS - Frank Abdale 1995

The Complete Book on Organic Farming and Production of Organic Compost - NPCS Board of Consultants & Engineers 2021-04-01

Organic farming, composed of organic fertilizers as an integral virtue, continues to remain a lucrative bet for the expanding agricultural industry, in line with growing organic food appeal to consumers as a healthy and ethical choice. Beyond ethics, organic fertilizers are gaining significant traction on account of numerous environmental benefits, such as enhanced soil structure and water conservation. Growing awareness among farmers about the nutritional benefits of plant based and animal based fertilizers and their role in promoting growth of earthworm and other microbiological activities vital for plant growth are fuelling adoption of organic fertilizers. Animal based organic fertilizers are garnering significant traction over plant based variants owing to their good aeration and water retention capabilities that enhance the soil fertility. As consumers today are inclined towards clean labels and seeking transparency in everything they consume, organic has emerged as a promising approach to address these concerns. In light of these beneficial aspects of organic approaches and after gauging the futuristic opportunistic value of organic fertilizers. Increasing health issues such as diabetes, obesity and digestive disorders are also one of the factors driving the growth of the organic food. The increased accessibility of organic food and beverages in retail outlets make it more convenient for consumers to purchase these products. Asia-Pacific is also expected to rapidly increase in CAGR, owing to the changing lifestyles and increase in consumer disposable income. Organic food products and shifting consumer preference towards organic food are among the major factors expected to boost demand for organic food products in India. Growing awareness among the consumers regarding the benefits of organic fertilizers over chemical fertilizers, and increasing awareness among farmers and cultivators towards eco-friendly fertilizers. The escalating demand for organic food products is likely to create a dire need for large scale development of organic fertilizers in the forthcoming years, which in turn will create a wide field of opportunities for stakeholders. Sensing the growing demand for organic fertilizers, market goliaths have shifted their focus on expanding their organic fertilizer produce to capitalize on the growing unmet demand from consumers. The book cover various aspects related to different organic farming and production of organic compost with their agriculture process and also provides contact details of machinery suppliers with equipment photographs and plant layout. A total guide to manufacturing and entrepreneurial success in one of today's organic farming and compost industry. This book is one-stop guide to one of the fastest growing sectors of the organic farming and compost industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of organic farming and compost. It serves up a feast of how-to information, from concept to purchasing equipment

Industrial Alcohol Technology Handbook - NPCS Board of Consultants & Engineers 2010-10-02

Production of industrial alcohol is an age old practice. But with time, the usage areas as well as production techniques have gone through a major transformation. Industrial alcohol is distilled ethyl alcohol (C₂H₅OH), normally of high proof, produced and sold for other than beverage purposes. It is usually distributed in the form of pure ethyl alcohol, completely denatured alcohol, especially denatured alcohol and proprietary solvent blends. Ethyl Alcohol is the common name for the hydroxyl derivative of the hydrocarbon ethane. Industrial alcohol is distilled ethyl alcohol normally of high proof, produced and sold for other than beverage purposes. Industrial alcohol finds its applications in many chemical industries, pharmaceutical industries, Ink Industries and various allied applications. Much of this alcohol is obtained synthetically from ethylene. However, its production from microbial fermentation using variety of cheap sugary substrates is still commercially important. The various substrates used for ethanol production are sugar crops such as sugarcane, sugar beet, sorghum, etc. provide a good substrate. Bye

product of these crop processing, e.g., molasses, sweet sorghum syrup, etc. are the most common substrates. Cereals like maize, wheat, rice etc are also used for ethanol production. Distillation of industrial alcohol, which is normally not used for consumption, can be made in a two step process. The process of distillation is one with a slow dynamics making it essential to have a carefully planned and designed control system. Ethyl alcohol or ethanol ranks second only to water as the most widely used solvent in chemical industry and as these industries have expanded, so the demand for industrial alcohol has increased. Some of the fundamentals of the book are base case production of alcohol, survey and natural alcohols manufacture, alcohol from wheat straw, alcohol from sacchariferous feed stocks, conventional process used in Indian distilleries, fermentation, distillation, continuous rectification and reflux ratio, alcohol recovery, quality of alcohol, steam economy, fuel oil separation, trihydric and polyhydric alcohols, coal gasification, methanol synthesis, coal gasification and raw gas purification, synthesis gas preparation, methanol synthesis and purification, badger conceptual design. This handbook on Industrial alcohol technology provides complete details on process and the technology used in the production of ethanol from various sugar crops and cereals and also briefs the different types of monohydric, trihydric and polyhydric alcohols. This handbook will be very helpful to its readers who are just beginners in this field and will also find useful for upcoming entrepreneurs, existing industries, technical institution, etc.

Oil, Politics and Violence - Max Siollun 2009

"An insider traces the details of hope and ambition gone wrong in the Giant of Africa, Nigeria, Africa's most populous country. When it gained independence from Britain in 1960, hopes were high that, with mineral wealth and over 140 million people, the most educated workforce in Africa, Nigeria would become Africa's first superpower and a stabilizing democratic influence in the region. However, these lofty hopes were soon dashed and the country lumbered from crisis to crisis, with the democratic government eventually being overthrown in a violent military coup in January 1966. From 1966 until 1999, the army held onto power almost uninterrupted under a succession of increasingly authoritarian military governments and army coups. Military coups and military rule (which began as an emergency aberration) became a seemingly permanent feature of Nigerian politics. The author names names, and explores how British influence aggravated indigenous rivalries. He shows how various factions in the military were able to hold onto power and resist civil and international pressure for democratic governance by exploiting the country's oil wealth and ethnic divisions to its advantage." - Publisher's description.

Manufacture of Thinners & Solvents (Properties, Uses, Production, Formulation with Machinery Details) - NPCS Board of Consultants & Engineers 2017-07-09

Solvents are defined as chemicals compound that are introduced during manufacture of the paint itself and before packaging, in order to maintain all components of the paint in a liquid / viscous state such as we know it. A solvent is usually a liquid but can also be a solid or a gas. Solvents find various applications in chemical, pharmaceutical, oil, and gas industries, including in chemical syntheses and purification processes. Thinners are defined as chemical compounds that are introduced into the paint prior to application, in order to modify the viscosity and other properties related to the rate of curing that may affect the functionality and aesthetics of the final layer painting. Paint thinner, a solvent used in painting and decorating, for thinning oil-based paint and cleaning brushes. A Thinner may be a single solvent or a combination of solvent types. Often, specific thinners are required by the manufacturer of a coating to prevent damage to coating properties that may occur when an inappropriate thinner is used. Solvents (for cleaning up or softening) and Thinners (for diluting or extending) are useful not only in painting but in other areas such as Wooden Furniture industry, Automobile industry, Ink industry, Rubber industry. As the paint industry is a major consumer of Thinners & Solvents, and is expanding at a tremendous speed, it is very obvious that the demand of thinners, too, will increase tremendously. The paints & coatings accounts for the largest share in the aliphatic hydrocarbon Thinners & Solvents market. It is also projected to be the fastest-growing application of the aliphatic hydrocarbon Thinners and Solvents market. The book contains Properties, Uses, manufacturing of Thinners & Solvents and providing information regarding thinner formulation. It also covers raw material suppliers, photographs of plant & Machinery with supplier's contact details. Some of the fundamentals of the book are thinner in Paint Industry, Health and Safety Measures of Chemicals, Pollution Control,

Waste Disposal of Hazardous Chemicals and Storage, Labelling and Packaging of Chemicals etc. It will be a standard reference book for professionals and entrepreneurs. Those who are interested in this field can find the complete information from manufacture to final uses of Solvents and Thinners. It will be very helpful to consultants, new entrepreneurs, technocrats, research scholars, libraries and existing units.

Differential Effects of Polyunsaturated Fatty Acids on Macrophage Cytokine Production and Signal Transduction - Paul Edward Bankey 1992

Surfactants, Disinfectants, Cleaners, Toiletries, Personal Care Products Manufacturing and Formulations (2nd Revised Edition) - NPCS Board of Consultants & Engineers 2018-05-17

Surfactants, Disinfectants, Cleaners, Toiletries, Personal Care Products Manufacturing and Formulations (Phenyl, Naphthalene Ball, Mosquito Coil, Floor Cleaner, Glass Cleaner, Toilet Cleaner, Utensil Cleaning Bar, Liquid Detergent, Detergent Powder, Detergent Soap, Liquid Soap, Handwash, Hand Sanitizer, Herbal Shampoo, Henna Based Hair Dye, Herbal Cream, Shaving Cream, Air Freshener, Shoe Polish, Tooth Paste) (2nd Revised Edition) The term surfactant comes from the words surface active agent. A surfactant is briefly defined as a material that can greatly reduce the surface tension of water when used in very low concentrations. These are one of many different compounds that make up a detergent. They are added to remove dirt from skin, clothes and household articles particularly in kitchens and bathrooms. They are also used extensively in industry. A disinfectant or agent that frees from infection is ordinarily a chemical agent which kills disease germs or other harmful microorganisms and is applied to inanimate objects. The specific way in which a disinfectant agent is used is dependent on both the desired objective and the infectious agent present. Growing emphasis on health, safety and sanitation is fuelling demand for disinfectants & surfactants across industries such as food processing, healthcare and consumer. Personal care industry in India is very huge and is one of the main key drivers for Indian surfactants market. Surfactants industry has a large market for consumer products. This handbook contains processes formulae of various products and providing information regarding manufacturing method. It covers raw material suppliers, photographs of plant & Machinery with supplier's contact details and some plant layout & process flow sheets. The Major Contents of the book are phenyl, floor cleaner, glass cleaner, toilet cleaner, mosquito coils, liquid detergent, detergent powder, detergent soap, naphthalene balls, air freshener, shoe polish, tooth paste, shaving cream, liquid soaps and handwashes, herbal shampoo, heena based hair dye, herbal creams, utensil cleaning bar, hand sanitizer etc. It will be a standard reference book for professionals, entrepreneurs, those studying and researching in this important area and others interested in the field of surfactants, disinfectants, cleaners, toiletries, personal care products manufacturing.

Lubricating Oils, Greases and Petroleum Products Manufacturing Handbook - NPCS Board of Consultants & Engineers 2018-01-12

Lubricating oils are specially formulated oils that reduce friction between moving parts and help maintain mechanical parts. Lubricating oil is a thick fatty oil used to make the parts of a machine move smoothly. The lubricants market is growing due to the growing automotive industry, increased consumer awareness and government regulations regarding lubricants. Lubricants are used in vehicles to reduce friction, which leads to a longer lifespan and reduced wear and tear on the vehicles. The growth of lubricants usage in the automotive industry is mainly due to an increasing demand for heavy duty vehicles and light passenger vehicles, and an increase in the average lifespan of the vehicles. As saving conventional resources and cutting emissions and energy have become central environmental matters, the lubricants are progressively attracting more consumer awareness. Greases are made by using oil (typically mineral oil) and mixing it with thickeners (such as lithium-based soaps). They may also contain additional lubricating particles, such as graphite, molybdenum disulfide, or polytetrafluoroethylene (PTFE, aka Teflon). White grease is made from inedible hog fat and has a low content of free fatty acids. Yellow grease is made from darker parts of the hog and may include parts used to make white grease. Brown grease contains beef and mutton fats as well as hog fats. Synthetic grease may consist of synthetic oils containing standard soaps or may be a mixture of synthetic thickeners, or bases, in petroleum oils. Silicones are greases in which both the base and the oil are synthetic. Asia-Pacific represents the largest and the fastest growing market, with volume sales projected to grow at a CAGR of 5% over the analysis period. Automotive lubricants represents the largest product

market, with engine oils generating a major chunk of the revenues. The market for industrial lubricants is supported by the huge demand for industrial engine oils and growing consumption of process oils. The major content of the book are Food and Technical Grade White Oils and Highly Refined Paraffins, Base Oils from Petroleum, Formulation of Automotive Lubricants, Lubricating Grease, Aviation Lubricants, Formulation and Structure of Lubricating Greases, Marine Lubricants, Industrial Lubricants, Refining of Petroleum, Lubricating Oils, Greases and Solid Lubricants, Refinery Products, Crude Distillation and Photographs of Machinery with Suppliers Contact Details. This book will be a mile stone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.

The Complete Book on Onion & Garlic Cultivation with Processing (Production of Onion Paste, Flakes, Powder & Garlic Paste, Powder, Flakes, Oil) - NPCS Board of Consultants & Engineers 2015-08-10

Onion and garlic are the spice commodities used for flavouring the dishes. These are considered as valuable medicinal plants offer variety of medicinal properties. Onion & garlic are important commercial crops with versatile applications. The demand for the processed products is increasing day by day due to its convenience to handle and use. Onion & garlic can be processed into a wide variety of products. As per the estimate, approximately 6.75% of the onion produced is being processed. Besides fulfilling the constant demand of domestic population, India exports 13 to 18 lakh tons of onion annually worth around Rs. 2200 crores of foreign exchange revenue. Similarly in case of garlic, the production increased from 4.03 lakh tons to 12.26 lakh tons. Proper placement of onion & garlic products (like; onion pickle, onion chutney, onion paste, garlic oil, garlic paste, garlic powder, garlic flakes, onion flakes, onion powder) in the departmental stores, super markets, shopping malls backed-up by publicity is the key to success. It is also possible to have tie-up with exclusive restaurants, star hotels, renowned caterers for their regular requirements. This handbook is designed for use by everyone engaged in the onion & garlic products manufacturing. The book explains manufacturing process with flow diagrams of various onion & garlic products and addresses of plant & machinery suppliers with their photographs. Major contents of the book are varieties of onion, onion production, onion dehydration, types of garlic, garlic growing, garlic dehydration, onion pickle, onion chutney, onion paste, garlic oil, garlic paste, garlic powder, garlic flakes, onion flakes, onion powder, pest species and pest control of garlic and onion, integrated weed management, packaging, product advertising and sales promotion, marketing etc. It will be a standard reference book for professionals, entrepreneurs, food technologists, those studying and researching in this important area and others interested in the field of onion & garlic products manufacturing. TAGS Best small and cottage scale industries, Business consultancy, Business consultant, Business guidance for garlic production, Business guidance for onion production, Business guidance to clients, Business Plan for a Startup Business, Business start-up, Cultivation of garlic, Cultivation of Onion, Dehydrated Garlic & Garlic Powder, Dehydrated Garlic, Dehydrated Onion & Onion Powder, Dehydrated Onion, Garlic and Onion production, Garlic and Onion production Business, Garlic and Onion Small Business Manufacturing, Garlic dehydration, Garlic Oil manufacturing process, Garlic paste manufacturing process, Garlic powder manufacturing plant, Garlic powder manufacturing process, Garlic powder processing plant, Garlic processing plant, Garlic Production, Growing Garlic, Harvesting Garlic, How to Cultivate Onions, How to Grow Garlic, How to Grow Onions, How to make onion powder, How to start a successful Garlic and Onion production business, How to Start Garlic and Onion production business, How to Start Onion and Garlic Processing Industry in India, How to Start Onion and Garlic Production Business, Manufacturing Process of Garlic Flakes, Manufacturing Process of Garlic Paste, Manufacturing Process of Onion Chutney, Manufacturing Process of Onion Flakes, Manufacturing Process of Onion Paste, Manufacturing Process of Onion Powder, Modern small and cottage scale industries, Most Profitable Onion and Garlic Processing Business Ideas, New small scale ideas in Garlic and Onion processing industry, Onion & Garlic Cultivation with Processing, Onion and Garlic Based Profitable Projects, Onion and Garlic Based Small Scale Industries Projects, Onion and Garlic Processing Industry in India, Onion and Garlic Processing Projects, Onion cultivation, Onion cultivation in India, Onion dehydration plant in India, Onion dehydration process, Onion farming business plan, Onion Farming in India, Onion farming techniques, Onion Pickle Manufacturing Process, Onion powder making

plant, Onion Powder, Onion Processing and Onion Products, Onion processing industry, Onion processing plant, Onion processing unit, Onion production, Onion Storage, Onions powder making, Pest species and pest control of garlic and onion, Preparation of Project Profiles, Process technology books, Processing of garlic, Profitable small and cottage scale industries, Profitable Small Scale Garlic and Onion Manufacturing, Project for startups, Project identification and selection, Setting up and opening your Garlic and Onion Business, Small scale Commercial Garlic and Onion by products making, Small scale Garlic and Onion production line, Small Scale Onion and Garlic Processing Projects, Small Start-up Business Project, Start up India, Stand up India, Starting an Onion and Garlic Processing Business, Startup, Start-up Business Plan for Garlic and Onion by products, Startup ideas, Startup Project, Startup Project for Onion and Garlic by products, Startup project plan, Technology Book of Garlic Cultivation and processing, Technology Book of Onion Cultivation and processing, Technology Package of Garlic Processing for Value Addition, Varieties of garlic, Varieties of onion

Detailed Project Profiles On Chemical Industries (Vol II) (2nd Revised Edition) - NPCS Board 2012-10-01

(LIMITED EDITION- ONLY PHOTOSTAT COPY AVAILABLE) The chemical industry is among the most diversified industrial sectors, including a wide variety of products, from basic chemicals to research driven specialised products, at different levels across the industry supply chain. The fundamental nature and diversity of the industry is best understood from the fact that the industry itself is the largest consumer of its products, accounting for around 33% of total consumption. The industry has a weight of 14% in the Index of Industrial Production, giving an indication of the importance the sector holds in Indian industrial growth. A robust chemical industry is a harbinger of significant economic and strategic benefits to the nation. The chemical industry comprises the companies that produce industrial chemicals. Central to the modern world economy, it converts raw materials (oil, natural gas, air, water, metals, and minerals) into several different products. The Indian chemical industry is the sixth largest in the world. It accounts for nearly one eighth of industrial production of the country. It also accounts for one sixth of Indian exports of manufactured goods and has been registering a steady growth of about 7 to 8 percent over the past few years. This book provides detailed project profiles of important chemical industries with its properties, uses & applications, manufacturing process, process flow sheet, BIS specification and cost estimation of the following chemicals: acetylene gas, acrylic acid and its derivatives, ciprofloxacin HCl, dicalcium phosphate, glycerol monostearate, L-ascorbic acid (plain), manganese oxide, potassium iodate, precipitated calcium carbonate, single superphosphate, sodium silicate and zinc sulfate (33%, 21% & 12%) 133. This book will be an invaluable resource to traders, new entrepreneurs, manufacturers, project consultant who wants to acquire a wider knowledge of these chemicals. Comprehensive in scope, the book provides solutions that are directly applicable to the manufacturing technology and other specific details of these chemicals.

Agro and Food Processing Industry in India - Seema Bathla
2021-01-04

This book provides different facets of India's agro and food processing industry in both organised and unorganised segments. It brings forth the topical issues having potential to accelerate the pace of growth in its employment, investment and productivity and strive for improving the global competitiveness. Using advanced quantitative techniques, it brings new evidences on inter-sectoral (agriculture-industry-services) employment and production linkages, contractual arrangements through Farmer Producer Companies, and subcontracting in the processed food sector. It also throws light on India's comparative advantage in export of primary and processed food products. With rising per capita income, urbanisation, and changing food habits of people, India is increasingly striving to improve productivity and competitiveness in agriculture and manufacturing. A concerted policy focus to accelerate private investment in food processing, largely viewed as a sunrise industry, is expected to contribute to large scale job creation and external trade not only in the manufacturing but also in the agricultural sector. Keeping this in mind, considerable insights are featured in the book at the industry and firm levels due to a significant bearing of technological, tariffs and non-tariff barriers and labour regulations on their trade intensity, employment and efficiency. Containing perspectives from the top agriculture and industry economists in the country, the book will be very useful to researchers, academicians, trade analysts and policy makers.

Selected Formulary Book on Petroleum, Lubricants, Fats, Polishes, Glass, Ceramics, Nitrogenous Fertilizers, Emulsions, Leather and Insecticides -

NPCS Board of Consultants & Engineers 2008-10-02

A man entering an industry soon finds that most of the products manufactured by his company are not synthetic or definite chemical compounds, but are mixtures, blends or highly complex compounds of which he knows little or nothing. The literature in this field, if any, may be meager, scattered or antiquated. Formulation is a key process in the overall life cycle so that products are delivered that is of the right quality, at a competitive cost, and is made available within the specified time scale. A formula is an entity constructed using the symbols and formation rules of a given logical language. In science, a specific formula is a concise way of expressing information symbolically as in a mathematical or chemical formula. The chemical formula identifies each constituent element by its chemical symbol and indicates the number of atoms of each element found in each discrete molecule of that compound. If a molecule contains more than one atom of a particular element, this quantity is indicated using a subscript after the chemical symbol and also can be combined by more chemical elements. It is all in the formula, whose implications also remain undiscovered by modern economists. It plays a major role in every process whether it is manufacturing process or preservation. There is a big importance of formula in our life because formulas and equations deal with everyday things like shapes, investments, mixing things, movement, lighting, travel and a host of other things they provide information you can use in planning activities. This book basically deals with the extracting oil from cottonseed, silver nitrate test for cottonseed oil, solid linseed oil, decolorizing or bleaching linseed oil, linseed oil for varnish making, refining linseed oil, mineral oil, leather stuffing grease, leather adhesion grease, liquid belting lubricant, belt adhesion compounds, belt preserving grease, government harness dressing, rubber belt dressing (non static), wire drawing lubricant, wire drawing composition, metal drawing lubricant, cold drawing metal lubricant, drawing compound for aluminum, brass drawing lubricating emulsion, sheet steel drawing lubricant, non seizing threads and gaskets, machine tool lubricant, slushing oil for metal protection horse shoe grease etc. This book is an invaluable resource of the formulae of petroleum, lubricants, fats, polishes, glass, ceramics, nitrogenous fertilizers, emulsions, leather and insecticides. This book present several hundred advanced product formulations for household, industrial and other applications. The purpose of publishing this book is very useful for chemists, entrepreneurs, existing units, technocrats and engineering students.

Food Science and Technology Abstracts - 1980

Monthly. References from world literature of books, about 1000 journals, and patents from 18 selected countries. Classified arrangement according to 18 sections such as milk and dairy products, eggs and egg products, and food microbiology. Author, subject indexes.

Manufacturing of Petroleum Products (Petroleum Waxes, Greases and Solid Lubricants, Solid Fuels, Gaseous Fuels, Gasoline, Diesel Fuel Oils, Automotive, Diesel and Aviation Fuels, Lubricating Oils and Lubricating Greases) - NPCS Board of Consultants & Engineers 2019-05-06

The petroleum waxes are semi refined or fully refined products obtained during the processing of crude oil. According to their structure they are divided into macrocrystalline waxes (paraffin waxes) and microcrystalline waxes (ceresine, petrolatum, others). Grease, thick, oily lubricant consisting of inedible lard, the rendered fat of waste animal parts, or a petroleum-derived or synthetic oil containing a thickening agent. Greases of mineral or synthetic origin consist of a thickening agent dispersed in a liquid lubricant such as petroleum oil or a synthetic fluid. Diesel fuel, also called diesel oil, combustible liquid used as fuel for diesel engines, ordinarily obtained from fractions of crude oil that are less volatile than the fractions used in gasoline. Lubricating oil, sometimes simply called lubricant/lube, is a class of oils used to reduce the friction, heat, and wear between mechanical components that are in contact with each other. Lubricating oil is used in motorized vehicles, where it is known specifically as motor oil and transmission fluid. The global wax market was valued at around USD 9 billion in 2017 and is expected to reach approximately USD 12 billion in 2024, growing at a CAGR of slightly above 3.5% between 2018 and 2024. The India lubricant market is expected to register a CAGR of 4.64%, during the forecast period, 2018-2023. The major factors driving the growth of the market are the increasing vehicular production along with the growing industrial sector. The global market for lubricants is expected to reach USD 70.32 billion by 2020. The global grease market is expected to grow at a CAGR of 2.13% during the forecast period, 2018 - 2023. Aviation fuel market size will grow by over USD 34 billion during 2018-2022 Some of the fundamentals of the book are composition of the petroleum waxes,

solvent extraction, greases and solid lubricants, solid fuels, other significant tests or properties, gaseous fuels, properties of waxes, gasoline, diesel fuel oils, automotive, diesel and aviation fuels, special processes for motor-fuel blending components, crude distillation, lubricating oils, lubricating greases, nature of lubricating oils, photographs of machinery with suppliers contact details A total guide to manufacturing and entrepreneurial success in one of today's most lucrative petroleum industry. This book is one-stop guide to one of the fastest growing sectors of the petroleum industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of petroleum products. It serves up a feast of how-to information, from concept to purchasing equipment.

Entrepreneur's Start-Up Handbook: Manufacturing of Profitable Household (FMCG) Products with Process & Formulations (2nd Revised Edition) - NPCS Board of Consultants & Engineers 2018-03-03

" 'Startup India, Stand-up India' "Can India be a 'Startup Capital'? Can the youth in the states have the opportunities in the form of start-ups, with innovations, whether it be manufacturing, service sector or agriculture? --- Narendra Modi, Prime Minister of India Startup India Stand up Our Prime Minister unveiled a 19-point action plan for start-up enterprises in India. Highlighting the importance of the Standup India Scheme, Hon'ble Prime minister said that the job seeker has to become a job creator. Prime Minister announced that the initiative envisages loans to at least two aspiring entrepreneurs from the Scheduled Castes, Scheduled Tribes, and Women categories. It was also announced that the loan shall be in the ten lakh to one crore rupee range. A startup India hub will be created as a single point of contact for the entire startup ecosystem to enable knowledge exchange and access to funding. Startup India campaign is based on an action plan aimed at promoting bank financing for start-up ventures to boost entrepreneurship and encourage startups with jobs creation. Startup India is a flagship initiative of the Government of India, intended to build a strong ecosystem for nurturing innovation and Startups in the country. This will drive sustainable economic growth and generate large scale employment opportunities. The Government, through this initiative aims to empower Startups to grow through innovation and design. What is Startup India offering to the Entrepreneurs? Stand up India backed up by Department of Financial Services (DFS) intends to bring up Women and SC/ST entrepreneurs. They have planned to support 2.5 lakh borrowers with Bank loans (with at least 2 borrowers in both the category per branch) which can be returned up to seven years. PM announced that "There will be no income tax on startups' profits for three years" PM plans to reduce the involvement of state government in the startups so that entrepreneurs can enjoy freedom. No tax would be charged on any startup up to three years from the day of its establishment once it has been approved by Incubator. India Government is promoting finance for start-up ventures and providing incentives to further boost entrepreneurship, manufacturing and job creation. The correct choice of business is an extremely essential step in the process of 'being your own boss'. This handbook contains few formulations of cosmetic products, properties and manufacturing process with flow diagrams of various products. After gathering the above information of products, the decision of choosing an appropriate one will no longer be a cumbersome process. The Fast-Moving Consumer Goods (FMCG) sector, also called the consumer packaged goods (CPG) sector, is one of the largest industries worldwide. FMCGs are generally cheap products that are purchased by consumers on a regular basis. FMCG sector is the fourth largest sector in the economy and creates employment for more than three million people in downstream activities. The FMCG market is estimated to treble from its current figure in the coming decade. Fast Moving Consumer Goods Companies have been expanding rapidly. Most of the product categories like jams, toothpaste, skin care, shampoos, etc, have low per capita consumption as well as low penetration level, but the potential for growth is huge. The industry has developed both in the small scale sector and organized sector. Major contents of the book are banana wafers, biscuits, bread, candy, chocolates, potato chips, rice flakes (poha), corn flakes, baby cereal food, fruit juice, milk powder, paneer, papad, ghee, extruded food (kurkure type), instant noodles, instant tea, jam & jelly, khakhra, soft drinks, spices, sweet scented supari, detergent powder, detergent soap, face freshener tissue, floor cleaner, glass cleaner, henna based hair dye, herbal creams, herbal hair oil, herbal shampoo, incense sticks, lipsticks, liquid detergent, mosquito coils, nail polish, air freshener (odonil type), naphthalene balls, phenyl, shoe polish, tissue paper, toilet cleaner, tooth brush, tooth paste, toothpicks, utensil

cleaning bar, packaging. It will be a standard reference book for professionals, entrepreneurs and food technologists.

Petroleum & Petroleum Products Technology Handbook - NPCS Board of Consultants & Engineers 2019-05-04

Petroleum asphalt is a sticky, black and highly viscous liquid or semi-solid that is present in most petroleum crude oils and in some natural deposits. Petroleum crude oil is a complex mixture of a great many different hydrocarbons. Refined petroleum products are derived from crude oils through processes such as catalytic cracking and fractional distillation. Refining is a necessary step before oil can be burned as fuel or used to create end products. Residual fuel oil is a complex mixture of hydrocarbons prepared by blending a residuum component with a flux stock which is a distillate component diluent, to give the desired viscosity of the fuel oil produced. Petroleum refining is the process of separating the many compounds present in crude petroleum. An Oil refinery or petroleum refinery is an industrial process plant where crude oil is processed and refined into more useful products. The global Petroleum Asphalt market is valued at USD 48.8 Billion in 2017 and is expected to reach USD 77.67 Billion by the end of 2024, growing at a Growth Rate of 6.87% between 2017 and 2024. The global bunker fuel market was valued at \$137,215.5 million in 2017 and is expected to reach \$273,050.4 million by 2025, registering a CAGR of 9.4% from 2018 to 2025. Some of the fundamentals of the book are composition of radiation effects on lubricants, thermal cracking of pure saturated hydrocarbons, petroleum asphalts, refinery products, refinery feedstocks, blending and compounding, oil refining, residual fuel oils, distillate heating oils, formulations of petroleum, photographs of machinery with suppliers contact details. A total guide to manufacturing and entrepreneurial success in one of today's most lucrative petroleum industry. This book is one-stop guide to one of the fastest growing sectors of the petroleum industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of petroleum products. It serves up a feast of how-to information, from concept to purchasing equipment.

Manufacture of Pan Masala, Tobacco and Tobacco Products (Tobacco Cultivation, Chewing Tobacco, Cigarettes, Bidi, Cigars, Khaini, Zarda, Gutka, Katha, Mouth Freshner, Pan Chatni, Kimam, Sweet Supari, Nicotine Sulphate, USP Nicotine, Nicotine Tartarate, Nicotine, Polacrilex Resin) - NPCS Board of Food Technologists 2019-01-03

Tobacco comes from a leafy plant that tends to grow in warm tropical areas. It is famously grown all over the Caribbean, where the warm, sunny conditions make for a perfect growing climate. Tobacco is usually smoked as a nicotinic stimulant and is mostly processed, rolled and dried before being smoked. Different geographies produce different types of the plant. The taste and flavor of the leaves are the characteristic trademarks of different types. The process of curing also determines the type of tobacco. Tobacco products include cigarettes, cigars, loose pipe tobacco, chewing tobacco, and snuff. These products contain the dried, processed leaves of the tobacco plant *nicotiana rustica* or *nicotiana tabacum*. All tobacco contains nicotine, an addictive drug. Today's tobacco also contains thousands of other chemicals designed to make the products more user-friendly and addictive. Nicotine is a nitrogen-based compound which dissolves in organic compounds. Tobacco leaves contain plenty of nicotine which evaporates on burning. This nitrogen-based compound is addictive in low amounts and toxic in high doses. Nicotine Sulfate is a potent pesticide, known for its high toxicity. A large proportion of Indian economy is agro based in which Tobacco is one of the principal cash crops. The tobacco production and its allied products' sales in the country have played a prominent role in the development of nation's economy. India is the largest tobacco market in the world in terms of tobacco consumption. The smokeless tobacco has historically been served as a tradition in India for many decades. Tobacco Waste or dust is generated at various stages of post-harvest processing of tobacco and also while manufacturing various tobacco products mainly during manufacture of tobacco products like cigarette and Beedi. The types of wastes generated during pre and post-harvest practice of tobacco include suckers, stems, mid ribs, leaf waste and dust. The main contents of the book are Tobacco Cultivation, Tobacco Diseases and Pests, Organic Tobacco Production, Chewing Tobacco, Cigarettes, Bidi, Cigars, Readymade Khaini, Chewing Tobacco (Khaini), Zarda, Gutka, Katha, Mouth Fresheners, Pan Chutney, Pan Masala, Kimam, Tobacco of Various Grade, Sweet Supari, Nicotine Sulphate, USP Nicotine, Nicotine Tartarate, Nicotine Polacrilex Resin, Smokeless Tobacco (SLT), Hookah, Tobacco Products Manufacturing Processes, E-Liquid (Main Chemicals,

Compounds, Components), Additives in Tobacco Products, Additives Products, Packaging & Labeling (Design Trends & Technologies), Plastics in Food Packaging, Packaging Laws and Regulations and Photographs of Machinery with Supplier's Contact Details. This book will be a mile stone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.

World Agricultural Situation - 1978

Market Research Report on Edible Oils in India (Present Status, Future Prospects, Industry Growth Drivers, Demand Scenario, Opportunities, Company Financials, Market Size, Sector Insights, Analysis & Forecasts upto 2017) - NPCS Team 2014-06-06

Edible oil sector in India is riding high on consumption boom in India. The sector has been witnessing a shift in consumer preferences, on the back of rising health awareness among population, which will be the key benefactor for its growth going ahead. To enable a better understanding of the industry status and prospects, Niir Project Consultancy Services has released a new research report titled 'Market Research Report on Edible Oils in India (Present Status, Future Prospects, Industry Growth Drivers, Demand Scenario, Opportunities, Company Financials, Market Size, Sector Insights, Analysis & Forecasts upto 2017)'. The report analyzes Indian edible oil sector in profundity by sharing industry vitals like present status, structure, growth drivers, opportunities, demand-supply scenario and financial details of industry players. The report first focuses on the basic details of the industry like its structure and classification and then moves ahead with the growth potential analysis. It captures the future prospects of the industry by scrutinizing demand drivers and existing growth opportunities for edible oils in India. The analysis so established is meticulously expounded and supported by graphical representation and forecasts of key indicators. The report identifies growing population, urbanization, rising incomes and health consciousness as key value drivers that will benefit the industry in the near future. It further talks, in detail, about the present as well as the future demand supply scenario of edible oils in India. India produces a very trivial quantity of edible oils out of its total estimated demand and hence is largely dependent on imports. The demand supply situation in the sector is analyzed in various lights by studying the total consumption of edible oils in the country, per capita consumption, domestic production of edible oils, production of oil seeds and imports of edible oils in India. The report also includes forecasts of the total consumption numbers with respect to changes in the per capita consumption of edible oils. Although India is the largest producer of oilseeds in the world, a lot is left to be done to ensure self-sufficiency in edible oils. It also lists the prevalent excise and customs duty rates on edible oils. The report then moves ahead to give business and financial details of incumbents in the industry which gives a fair view of the competition in the sector. It covers business profiles of companies like K.S Oils Ltd, Adani Wilmar Ltd, Ruchi Soya Industries Ltd and Marico Ltd holding brands like Fortune, Saffola, Sunrich, K S Gold etc. The next segment provides complete financial details of edible players in the country. It covers contact information like address of registered office, director's name and financial comparison covering balance sheet, profit & loss account and several financial ratios of the players. The report ends with a promising outlook of the sector. The industry has all the triggers in place to ensure a smooth ride in future. The favorable consumer dynamics of Indian market like rising disposable incomes, escalating population, urbanization and fast growing health consciousness among Indian population has kept the industry at high pedestal. All these factors will be the growth benefactors of edible oils in the near future. Also, although Indian per capita consumption of edible oils is on the rise, yet we still lag behind the developed nations of the world which construes as a massive opportunity for edible oil players. Changing consumer preferences towards healthy oils will fuel the growth in small niche segments which were not explored till now and will send growth ripples across the segments (laterally as well as perpendicularly). The industry being highly fragmented in nature restricts the accurate estimation of its market size. However we estimate the edible oil consumption to cross 21 million tonnes mark by 2017. Reasons for Buying this Report: • This research report helps you get a detail picture of the industry by providing overview of the industry along with the market definition, structure and its components • The report provides in-depth market analysis covering major growth driving factors for the industry and opportunities prevalent • This report helps to understand the present status of the industry by elucidating a comprehensive scrutiny of the demand - supply situation with forecasts • Report

provides analysis and in-depth financial comparison of major players/competitors • The report provides forecasts of key parameters which helps to anticipate the industry performance Our Approach: • Our research reports broadly cover Indian markets, present analysis, outlook and forecast for a period of five years. • The market forecasts are developed on the basis of secondary research and are cross-validated through interactions with the industry players • We use reliable sources of information and databases. And information from such sources is processed by us and included in the report

Modern Technology of Petroleum, Greases, Lubricants & Petrochemicals (Lubricating Oils, Cutting Oil, Additives, Refining, Bitumen, Waxes with Process and Formulations) 3rd Revised Edition - NIIR Board of Consultants & Engineers 2018-04-03

Lubricants, greases and petrochemicals are most versatile on the Industrial Plateau now a day. The significance of Lubricants, Greases and specialty products in the day to day functioning of nearly every machine part, instrument, appliance & device cannot be over emphasized lubricants reduce friction & wear between rubbing parts, thereby enhancing their life. A lubricant is a substance introduced to reduce friction between moving surfaces. It may also have the function of transporting foreign particles. The property of reducing friction is known as lubricity. The broad types of lubricating oils are as under; crankcase oils, gear oils, metal working oils, metal drawing oils, spindle and other textile oils, steam turbine oils. Synthetic lubricants have a higher viscosity index, but are less stable to oxidation. They are suitable for high temperature applications. In the modern industrial year, greases have been increasingly employed to cope with a variety of difficult lubrication problems, particularly those where the liquid lubricant is not feasible. Greases are essentially solid or semi solid lubricants consisting of gelling or thickening agent in a liquid lubricant. Greases and lubricants are one of the important products derived from crude petroleum. Petroleum is formed by hydrocarbons (a hydrocarbon is a compound made up of carbon and hydrogen) with the addition of certain other substances, primarily sulphur. Petroleum in its natural form when first collected is usually named crude oil, and can be clear, green or black and may be either thin like gasoline or thick like tar. The principal product of petroleum refining are motor gasoline, aviation gasoline, kerosene, jet fuels, diesel fuels, lubricating oils and fuel oils. Considerable quantities of petroleum wax, bitumen, liquid petroleum gases (LPG), industrial naphtha and coke are also produced. Petrochemicals are chemicals made from petroleum (crude oil) and natural gas. Petroleum and natural gas are made up of hydrocarbon molecules, which are comprised of one or more carbon atoms, to which hydrogen atoms are attached. The Indian lubricants industry claims to be the sixth largest in the world. The petrochemical industry in India has been one of the fastest growing industries in the country. This industry also has immense importance in the growth of economy of the country and the growth and development of manufacturing industry as well. Some of the fundamentals of the book are types of lubricating oils, crankcase oils, gear oils, metal working oils, metal drawing oils, spindle and other textile oils, steam turbine oils, synthetic lubricants, formulations and compounding of lubricants, additives for straight mineral oil gear lubricants, raw materials for lubricants, equipments for lubricants manufacture, reclamation of used lubricating oil, nature of contaminants in used lubricating oil, gravity methods of purification, metal forming and deforming lubricant, cutting oils, heat treatment oils, greases, sodium soap greases, lithium soap greases, aluminium soap greases, mixed soap greases, complex soap greases etc. The objective of this book is to furnish comprehensive information about nearly all prominent types of lubricants, greases and petrochemicals. This book covers formulae, processes of various petroleum items. This book is an invaluable resource for entrepreneurs, existing units, professionals, institutions etc.

Wax Polishes Manufacturing Handbook with Process and Formulae (Automobile, Industrial, Leather, Furniture, Floor, Marine, Metal and Shoe Polish) - NPCS Board of Consultants & Engineers 2019-07-04 Polishes typically contain a lot of abrasives, rinsing agents and organic solvents. Protectants typically contain neither abrasives nor rinsing agents, less organic solvents than the two other product types and a lot of protectant. Polishes are used to maintain a glossy finish on surfaces as well as to prolong the useful lives of these surfaces. Polishes can be described in terms of their physical form, carrier system, ability to clean, and durability. Physical forms of polishes include pastes, pre-softened pastes (non-flowing emulsions), liquids, and gels. Polishes beautify and protect by coating or refinishing surfaces. Waxes are used as finishes and coatings for wood products. Waxes are also used in shoe polishes,

wood polishes, and automotive polishes, as mold release agents in mold making. Furniture polish value sales are expected to reach US\$ 13,101.3 mn by 2027, expanding at a CAGR of 5.0%. Shoe polish protects the shoes from moisture, water, and becoming hard. It provides the shoes with a waxy coating and a shine. Shoe polish market is concentrated in the urban areas. The global shoe polish market is projected to grow at a CAGR of 2.75% over the forecast period of 2019-2025. The global metal polish products market has been registering rapid growth, owing to the use of different metal alloys in machinery, furniture and other metal products due to their cheaper cost and high efficiency. Globally, the metal polish market has been witnessing significant growth, owing to the rise in the demand for cleaning and polishing products. The book contains formulations and manufacturing process of auto polish and wax products, furniture polish, marine polish, metal polish and shoe polish, their marketing strategies, BIS specification, directory section, plant layouts and photographs of machinery with supplier's contact details. A total guide to manufacturing and entrepreneurial success in one of today's most wax and polish industry. This book is one-stop guide to one of the fastest growing sectors of the wax and polish industry, where opportunities abound for manufacturers, retailers, and entrepreneurs. This is the only complete handbook on the commercial production of wax and polish products. It serves up a feast of how-to information, from concept to purchasing equipment

Food Industries - J. Mark 2020-11-25

This volume deals with the diverse range of industries concerned with the supply and processing of food in the UK. It covers sources relating to food production and processing, including foodstuffs supplied from abroad, and also fish supply and processing.

Manufacture of Value Added Products from Rice Husk (Hull) and Rice Husk Ash (RHA)(2nd Revised Edition) - NPCS Board of Consultants & Engineers 2018-09-06

Manufacture of Value Added Products from Rice Husk (Hull) and Rice Husk Ash (RHA) (Precipitated Silica, Activated Carbon, Cement, Electricity, Ethanol, Hardboard, Oxalic Acid, Paper, Particle Board, Rice Husk Briquettes, Rice Husk Pellet, Silicon, Sodium Silicate Projects) Rice husk is the outermost layer of protection encasing a rice grain. Rice husk was largely considered a waste product that was often burned or dumped on landfills. Many ways are being thought for disposal of rice husk and only a small quantity of rice husk is used in agricultural field as a fertilizer, or as bedding and for stabilisation of soils. Therefore, the use of rice husk as rice husk ash is one of the most viable solution. The husk can be used for poultry farming, composting or burning. In the case of burning, it has been used as biomass to power reactors to generate thermal or electrical energy. India is a major rice producing country and the husk generated during milling is mostly used as a fuel in the boilers for processing paddy, producing energy through direct combustion and / or by gasification. The rice husk ash causes more environmental pollution and its disposal becomes a problem, hence requires attention regarding its disposal and its reuse. The ash is mainly composed of carbon and silica due to which it is used to manufacture different value added products. This book provides thorough information to utilize RHA with process pathway for economically valuable products. This handbook explains manufacturing process with flow diagrams of various value added products from rice husk & rice husk ash, photographs of plant & machinery with supplier's contact details and sample plant layout & process flow sheets. The major contents of the book are rice husk, rice husk ash (RHA), precipitated silica from rice husk ash, activated carbon from rice husk, cement from rice husk ash, electricity from rice husk, ethanol from rice husk, hardboard from rice husk, oxalic acid from rice husk, paper from rice husk, particle board from rice husk, rice husk briquettes, rice husk pellet, silicon from rice husk, sodium silicate from rice husk, packaging. This book will be a mile stone for the entrepreneurs, existing units, professionals, libraries and others interested in recovery of value added products from rice husk (rice hull) & rice husk ash to explore an economic way for recycle and reuse of agricultural waste. TAGS How to Manufacture Rice Husk based

Products, Forming Products from Rice Husk, Rice Husk Ash Fuel & Powder Value Added Products, Rice Husk based Products, How to Produce Rice Husk based Products, Rice Husk (Hull), Rice Husk as a by-Product, How to Earn Money from Rice Husk Ash, Profitable Project Investment Opportunity in by-Product from Rice Husk Ash Rice Husk (Hull), Value Added Products From Rice Husk or Rice Hull Ash, Rice Husk Products, Rice Husk Product Production, Making of Rice Husk in India, Rice Husk Ash, Rice husk as a by-product, Rice Husk ash fuel, Use of Rice Husk Ash, Manufacturing of Rice Husk Ash, Study on properties of rice husk ash and its use, Projects on Rice Husk, Rice Hull, Rice Husk Ash, Properties and Industrial Applications of Rice husk, Rice Husk Production, Manufacturing of Products form rice hull, Potential of Rice Husk, Utilization of Rice Husk and their Ash in Product Manufacturing, Projects on Rice Husk, Projects on Rice Hull, Investment Opportunities in Manufacturing of Rice Husk, How to make Rice Husk Ash, Rice Husk Ash Production Process, RHA, Rice Husk Grinding, Rice Husk Granulation, Energy From Rice Husk, Projects on Rice Husk Products, Rice Husk and Powder, Rice Husk Production, Process of Manufacture of Products from Rice Husk Ash and Rice Hull, How to Make Rice Husk, Rice Husk Ash Making, Forming Products from Rice Hull

The Complete Book on Ginger Cultivation and Manufacture of Value Added Ginger Products (Ginger Storage, Ginger Oil, Ginger Powder, Ginger Paste, Ginger Beer, Instant Ginger Powder Drink and Dry Ginger from Green Ginger) - NPCS Board of Consultants & Engineers

Ginger is the common name for *Zingiber officinale*, which was originally cultivated in China and now equally spread around the world. Ginger is a herb but is often known as a spice, with a strong distinct flavor that can increase the production of saliva. The part that is used as spice on the plant itself is the rhizomes or ginger root. This ginger root is traditionally used with sweet foods in Western cuisine being included in popular recipes such as ginger ale, gingerbread, ginger biscuits and ginger cake. It is also used in many countries as a medicinal ingredient which many believe in. Historically, ginger has a long tradition of being very effective in alleviating symptoms of gastrointestinal distress. In herbal medicine, ginger is regarded as an excellent carminative and intestinal spasmolytic. Modern scientific research has revealed that ginger possesses numerous therapeutic properties including antioxidant effects, an ability to inhibit the formation of inflammatory compounds, and direct anti-inflammatory effects. India is the leading producer of ginger oil and dominates the ginger oil market with almost half shares out of total market. China is also known for ginger production and trade of ginger oil. Asia Pacific mainly exports ginger oil to North America and European markets. Increasing number of health conscious consumers, and their demands for natural oils and extracts based products is the major factor driving growth for essential oils and in turn ginger oil market. Ginger is majorly used in spices and thus ginger oils and oleoresins are preferred to prepared dried spices as flavoring in food industry, because they are more stable, contamination free, cleaner and can be easily standardized by blending. Thus the growth of food industry and spices demand are another factors driving growth of ginger oil market. The growth of natural personal care products industry is another growth driver for ginger oil market. The major content of the book are Ginger Cultivation, Farm and Forestry Production for Ginger, Diseases & Pest Management in Ginger, Medicinal Values of Ginger, Active Ingredients of Ginger, Pharmacological Activity of Ginger, Ginger Storage, Ginger Processing, Ginger Oleoresin, Ginger Oil, Ginger Beer, Ginger Powder, Ginger Paste, Instant Ginger Powder Drink, Ginger Candy, Dry Ginger from Green Ginger, Extraction of Ginger Oleoresin from Ginger-Root Using Co₂, Production of Ginger Rhizome by Shoot-Tip Culture, Extraction of Essential Oils from Ginger Rhizome Using Steam Distillation Method, Packaging and Labelling BIS Specifications, Good Manufacturing Practices, Sample Plant Layouts, Photographs of Machinery with Suppliers Contact Details. This book will be a mile stone for its readers who are new to this sector, will also find useful for professionals, entrepreneurs, those studying and researching in this important area.