

# **Essential Oils Extraction and Processing, Aromatic Chemicals, Natural Aroma Chemicals Production**

[Modern Technology Of Perfumes, Flavours And Essential Oils \(2nd Edition\)](#)

**Author:** NIIR Board

**Format:** Paperback

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Since primeval times Flavors and Fragrances has been an element of our life. We have been making it a part of life. By different means we all utilize perfumery and flavor materials, in our everyday life. Fragrances have a key part in religious ceremonies as it was considered to possess strengths to cure and protect from evil. We in our routine life starting from morning till night make different uses of products for personal care and cleanliness which have perfumes. Even consumables like confectionary contain some type of perfume or flavors. Most fragrance comes naturally from many plants. This smell is known as aroma which is a Latin word and those flora which have this aroma are known as aromatic plants. These aromas are extracted from some odoriferous material called essential oils. There is no dearth of aromatic plants in India. The country is famous for its rich endowment with aromatic plant. In fact the Vedic literature one can find many references of Ayurveda Gandhshastra the science of odor which deals with the cosmetics and fragrances. The famous aromatic plants in India with medicinal uses are mint, Tulsi etc. The book tries to give a brief note on the fragrance and essential oils and has been one of the bestseller. The book contains chapter on Standards on Essential Oils in India, Fragrance and Flavors Industry in India, Process Flavorings, The Perfumer's Raw Materials: Products of Natural Origin Essential Oils, Terpeneless Oils, The Perfumer's Raw Materials: Products of Synthetic Origin, Synthetic Ingredients of Food Flavorings, Beverage Flavorings and Their Applications, The Perfumer's Raw Materials: Products of Synthetic Origin, Citronella Oil and many more detailed chapters. This versatile book takes way out to most realistic formulae on diversified perfumery products, flavors, essential oils etc. Taken as a whole, the book furnishes complete formulae with processes along with the technical aspect which are enormously innovative and profoundly utilitarian for new entrepreneurs as well as will act as a source of motivation to the existing units in quality improvement and cost reduction. Flow diagrams for various methods of preparation are vivid representations of the process sequence, Sequence. The enclosure section in the book also has a directory on Sources of raw materials; plant and machinery.

# Essential Oils Handbook

**Author:** H. Panda

**Format:** Paperback

**Book Code:** NI48

**Pages:** 744

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**Price:** Rs. 975.00 US\$ 100.00

Essential oils are more widely used in modern products than one might expect usually extracted through distillation, they are used to fragrance bathing products, incense, perfumes and cosmetics, as well as in some types of household cleaner. In terms of alternative medicine, essential oils are most frequently used today in aromatherapy. Some essential oils are well known for their efficiency in treating minor ailments. There are huge numbers of useful plant extracts which can be used or aromatherapy. Essential oils can have physical and mental benefits. When essential oils make contact with the skin, they go deep beneath the pores and into the cell tissues where it is thought that they improve circulation and immunity. Other suggested benefits include relief from pain including headaches; antibacterial and antiseptic properties for treatment of minor cuts and wounds; relief from anxiety and depression and improving overall emotional state of a person. About 98% of the essential oils produced worldwide are produced for the cosmetic/perfume or food flavouring industries. In these industries, the therapeutic effect of the oil is not a consideration; and so, the oils are produced in a manner is that is totally unsuited for oils to be uses in aromatherapy. The total share in world export of essential oils and perfumery material it is only 0.4% thus, future hold great promise for India in the fast charging global economy as for as production and trade of natural raw material is concerned. Some of the fundamentals of the book are development of essential oil crops in India, oil of lavender, oil of lavadin, oil of rosemary, kuromoji oil, laurel leaf oil, sassafras oil Brazilian, nutmeg oil and mace oil (myristica oil), oil of michelia fallay, oil of lysimachia foenum, oil of chlorophyll carotene paste needles and twigs, flavonoids of liquidambar, turpentine oil, essential oil in the kitchen, essential oil in therapeutics, analysis of essential oils, annatto oil, oil of piper bettle, senecio quinquelobus, milletia ovalifolia, oil of vitis vinifera, dill seed and herb, oil siyah zeera (carum bulbocastanum), oil of eugenia jambolana, rosha oil, Indian petitgrain oils, Indian mandarin oils, extraction of citrus oil, etc. With the development of science and technology, essential oils are becoming popular due to its uses in the manufacturing of different products. This versatile book takes recourse to most pragmatic formulae on diversified essential oils. Overall the book contains formulae, processes which are immensely

innovative and profoundly utilitarian for new entrepreneurs as well as motivate the existing units in quality improvement and cost reduction.

## [The Complete Technology Book of Essential Oils \(Aromatic Chemicals\)Reprint-2011](#)

**Author:** NIIR Board

**Format:** Paperback

**Book Code:** NI58

**Pages:** 640

**ISBN:** 9788178330662

**Price:** Rs. 1,275.00 US\$ 125.00

Essential oils are also known as volatile oils, ethereal oils or aetherolea, or simply as the oil of the plant from which they were extracted. Essential oils are generally used in perfumes, cosmetics, soaps and other products, for flavoring food and drink, and for adding scents to incense and household cleaning products. Various essential oils have been used medicinally at different periods in history. Medical applications proposed by those who sell medicinal oils range from skin treatments to remedies for cancer, and often are based solely on historical accounts of use of essential oils for these purposes. Interest in essential oils has revived in recent decades with the popularity of aromatherapy, a branch of alternative medicine that claims that essential oils and other aromatic compounds have curative effects. Oils are volatilized or diluted in carrier oil and used in massage, diffused in the air by a nebulizer, heated over a candle flame, or burned as incense. This book describes about the physicochemical properties, chemical composition, distillation, yield, quality of essential oils, process of extraction of essential oils, manufacture of essential oils, products derived from essential oils and so on. The book in your hands contains formulae, processes, and test parameters of different types of essential oils derived from different natural sources. This is very helpful book for new entrepreneurs, professionals, institutions and for those who are already engaged in this field.

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[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.

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## [The Complete Technology Book on Flavours, Fragrances and Perfumes](#)

**Author:** NPCS Board of Consultants & Engineers

**Format:** Paperback

**Book Code:** NI196

**Pages:** 864

**ISBN:** 9788190439886

**Price: Rs. 1,675.00 US\$ 150.00**

Many studies have been carried out on fragrances, flavors and perfumes worldwide. These products have important commercial value not only in India but in all over the world. Perhaps the most interesting results of the last few years in the fragrance and flavour fields are the many compounds described in this book. They may be used to engender or augment flavours in foodstuffs, chewing gums and medicinal products like mouthwash and toothpaste. The same compounds or closely related ones serve also to produce desirable aromas for perfumes, perfumed compositions such as soaps, detergents and cosmetics etc. Perfume is a mixture of fragrant essential oils and/or aroma compounds, fixatives, and solvents used to give the human body, animals, objects, and living spaces a pleasant scent. The odoriferous compounds that make up a perfume can be manufactured synthetically or extracted from plant or animal sources. Perfumes have been known to exist in some of the earliest human civilizations either through ancient texts or from archaeological digs. Modern perfumery began in the late 19th century with the commercial synthesis of aroma compounds, which allowed for the composition of perfumes with smells previously unattainable solely from natural aromatics alone. Flavors and Fragrances (F&F) are the essential ingredients that lend taste and smell, respectively, to food and personal or home care products. Without these, all the products that we use such as toffees, chips, toothpastes, soaps and shampoos, would be tasteless or odorless, boring, functional products. Fragrances are different types; floral, fruity, woody, flower, natural, etc. and has applications in different field; soap and toiletries, cosmetics, household applications etc. Flavoring in common language denote the combined chemical sensations of taste and smell, the same terms are usually used in the fragrance and flavors industry to refer to edible chemicals and extracts that alter the flavor of food and food products through the sense of smell. Applications of flavouring are in numerous field; meat, chocolate, dairy, beverage, confectionary, bakery, teas etc. Due to the high cost or unavailability of natural flavor extracts, most commercial flavorants are nature identical, which means that they are the chemical equivalent of natural flavors but chemically synthesized rather than being extracted from the source materials. Traditionally, while flavors and fragrances were viewed as the most customized of all raw



materials, and therefore commanded higher prices, in the last decade, prices have been pushed down consistently by large manufacturers. This book basically deals with the roots and the evolution of perfumery, the part of hedonism, how perfumery is linked to the other fine arts, the art of composition, conclusion, introduction, fragrancing of functional products, line extensions, perfumery for household products, floral series : rose notes, jasmin notes, hyacinth notes, lilac and lily, orange blossom notes, tuberose notes, violet notes, mignonette, woody series: sandal notes, peppery notes, caryophyllaceous notes, introduction, aroma composition of various teas, flavory ceylon black tea, keemun black tea, green tea, pouchong tea and jasmine tea, lotus tea, soap manufacture, raw materials, shaving soap, transparent soaps, super fatted toilet soaps, the milling process, coloured soaps, perfumes, soap compounds, acacia, almond, almond soap, amber soap, buttermilk, brown windsor, carnation, chypre, cologne, cyclamen, fougere, heliotrope, hyacinth, jasmin, lavender, lilac, lily, etc. This book contains formulae and processes of various types of flavours, fragrances and perfumes. New entrepreneurs, technocrats, research scholars can get good knowledge from this book.

# About NIIR

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NPCS also publishes various process technology, technical, reference, self employment and startup books, directory, business and industry database, bankable detailed project report, market research report on various industries, small scale industry and profit making business. Besides being used by manufacturers, industrialists and entrepreneurs, our publications are also used by professionals including project engineers, information services bureau, consultants and project consultancy firms as one of the input in their research.

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