Aloe Vera Handbook Cultivation, Research Finding, Products, Formulations, Extraction & Processing

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Aloe Vera is a semi tropical plant. It is one of the oldest known medicinal plants gifted by nature, Aloe Vera often called Miracle plant known by many names. It contains more than two hundred tonic ingredients including essential amino acids, enzymes, glucose and more. Also contains the most essential components required by the human body. It is grown wild in hedge rows in dry soil conditions and almost all parts of India. It can be grown even under constant drought conditions. Commercial cultivation and utilization of this plant with the application of technology can be of great value. There are various benefits of this plant; it is used to support the natural healing of skin that has been damaged. A common usage is to sooth sunburned skin. Aloe Vera can also be made into juices, gels, powders and is often added to products. For example it can be found in cosmetics, shampoos, lotions and many other common household Aloe Vera products. The many benefits of Aloe Vera are not fully researched as of yet. Processing of Aloe Vera gel derived from the leaf pulp of the plant, has become a big industry worldwide due to the application in the food industry. It has been utilized as a resource of functional food, especially for the preparation of health drinks which contain Aloe Vera gel and which have no laxative effects. Given the exponentially growing demand for it in the international market, it presents the finest commercial opportunity among the various medicinal plants. Also, India is among the few countries gifted with the unique geographical features essential for cultivation of Aloe Vera and other high potential medicinal plants.

Some fundamentals of this book are chemical investigations of different parts of the leaf, agro technique: Aloe Vera, economics of cultivation per hectar, aloe (Aloe Vera) investment opportunity, specialty raw material market for cosmetics/toiletries, strategy for capacity creation and marketing, influence of Aloe Vera on the glycol amino glycans in the matrix of healing dermal wounds in rats, effects of low molecular constituents from Aloe Vera gel on oxidative metabolism and bactericidal activities of human neutrophils, Aloe Vera & aids research, anti diabetic activity of aloes: preliminary, aloe reduction in ulcers, erosions & hemorrhages, extraction process, processing steps, extraction process of aloe gel and powder etc.

This book highlights such technical details to guide and encourage new entrepreneurs. It is very useful book for consultants, farmers, students of Agricultural universities, libraries etc.

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Aloe Vera Gel Toothpaste
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8. Patent
Herbal Skin regeneration and method
A method for skin regeneration comprising
Description
Background of the Invention
Summary of the Invention
Detailed Description of the Invention
U.S. Pat. 6, 030, 622
Herbal Extract composition and method
(2000) with immune boosting capability
Background of the Invention
Field of the Invention
Description of the Background Art
Summary of the Invention
Detailed Description of the Preferred Embodiments
Extract Preparation
Preparation of Extract of ARUM ALOE
Preparation of Extract of POMEGRANATE.
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Aloe vera gel toothpaste
United States Patent 5, 294, 434 March 15, 1994
Summary of Invention
Detailed Description
United States Patent 5,989,560
November 23, 1999
Herbal intestinal tract cleanser
Field of the Invention
Background of the Invention
Summary of the Invention
Detailed Description of the Preferred Embodiments
Aloe vera ointment
United States Patent 4,725,438 February 16, 1988
Field of the Invention
Background of the Invention
Summary of the Invention
Objects of the Invention
Description of the Preferred Embodiment
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Decongestant composition containing aloe vera
Background of the Invention
Field of the Invention
Description of the Prior Art
Summary of the Invention
Detailed Description of the Invention
United States Patent: 6,004,558
Technical Field
Background of the Invention
Summary of the Invention
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Separation of primary isoflavones using chromatographic techniques
Method for extraction and removal of genistein, daidzein, formononetin and biochanin
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Treatment of a sixty two year old male diagnosed with prostate cancer
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United States Patent 5,904,924 May 18, 1999
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U.S. Pat. 5, 215, 760 (1993)
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U.S. Pal 4,309,180 (1983)
Cosmetic facial preparation containing aloe vera
Detailed Description of the Preferred Embodiment
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Aloe Vera Ophthalmic Solution
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Brief Summary of the Invention
Detailed Description of the Invention
Allantoin
Extract of Lavender
Topical Compositions
Pharmaceutical/Cosmetic Compositions
Cleaning Compositions
Weighing
Washing
Filleting
Grinding
Homogenization
pH Adjustment
Selective Precipitation
Centrifugation
Weighing/Storage
Tray loading
Drying
Milling
Blending
Storage and Exportation
Moderate or Medium Filtration
(Filtration Using A Medium Filter)
Fine Filtration (Filtration Using A Fine Filter)
Ultrafiltration/Concentration
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Pilot Scale Sizing of Bulk Pharmaceutical
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Reagents and Preparation:
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Tissue MPO Assessment
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- IL-1 \(\alpha\). Productions:
  - Microparticulate Factor From FBA and No Production
  - Macrophage Activation and Anti-inflammatory
  Activities
  - Epitheleal Cells (\(\alphaEC\)) Proliferation
IL-6 Assay
RAW Cells Secreted Interleukin-6 in Response
to FBA
\(\alphaMF\)) Stimulated IL-6 Production
Anti-Inflammatory Activities of \(\alphaSoluble Factors\)
Filtration with 0.1 \(\mu\)m Filters of \(\alphaMicroparticle\)
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Factors of FBA Sized Filtration through Syringe
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Majun Talkh
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Origin and distribution
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Our Detailed Project report aims at providing all the critical data required by any entrepreneur vying to venture into Project. While expanding a current business or while venturing into new business, entrepreneurs are often faced with the dilemma of zeroing in on a suitable product/line.