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 soothe 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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[Effects of aloe extracts, aloctin A, on gastric secretion and on experimental gastric lesions in rats].
Effect of water extracts of aloe and some herbs in decreasing blood ethanol concentration in rats.
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Anti-inflammatory & wound healing properties of Aloe vera
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Dental Disorders
Aloe Vera Gel Toothpaste
Aloe in Dentistry
Why Aloe may work
Use of Whole-Leaf Aloe
8. Patent
Herbal Skin regeneration and method
A method for skin regeneration comprising
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U.S. Pat. 6, 030, 622
Herbal Extract composition and method
(2000) with immune boosting capability
Background of the Invention
Field of the Invention
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Summary of the Invention
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Extract Preparation
Preparation of Extract of ARUM ALOE
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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
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Aloe vera ointment
United States Patent 4,725,438 February 16, 1988
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Decongestant composition containing aloe vera

Background of the Invention

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United States Patent: 6,004,558

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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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Effect of Discontinuing Usage of the Present Invention

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United States Patent 5,904,924 May 18, 1999

Green nutritional powder composition

Summary of the Invention

Detailed Description of the Present Invention


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Background of the Invention

Objectives of the Invention

Summary of the Invention

Detailed Description of the Invention

Test Substances

Cell Culture

Cytotoxicity Assay

Fresh Tumor Specimens

Turmeric & Aloe Vera for treating health ailments

Summary of the Invention

U.S. Pat. 4591, 387 (1986)

Aloe Vera Leaf Processor

Brief Description of the Invention

Detailed Description of the Invention

U.S. Pat. 5, 215, 760 (1993)

Detailed Description of the Preferred Embodiments

U.S. Pal 4,309,180 (1983)

Cosmetic facial preparation containing aloe vera
Detailed Description of the Preferred Embodiment
U.S. Pat. 6,013, 259 (2000)
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

Ultracentrifugation

Low Speed Centrifugation

Dialysis

Anion Exchange Chromatography

Size Exclusion Chromatography

Step-Wise Filtration

Preparation of Bulk Pharmaceutical

Mannan (â€œBPMâ€)

Pilot Scale Sizing of Bulk Pharmaceutical

Mannans by Ultra-filtration

Purification and Depyrogenation of FBA using

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Sizing (DFBA)

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Lavage Fluid

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MPO Reaction
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