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 hector, 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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Influence of Aloe vera on the glycosaminoglycans in the matrix of healing dermal wounds in rats.
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Aloe barbadensis extracts reduce the production of interleukin-10 after exposure to ultraviolet radiation.
Influence of Aloe vera on collagen characteristics in healing dermal wounds in rats.
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A purgative action of barbaloin is induced by Eubacterium sp. strain BAR, a human intestinal anaerobe, capable of transforming barbaloin to aloe-emodin anthrone.

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Studies of aloe. IV. Mechanism of cathartic effect.

Prevention of ultraviolet radiation-induced suppression of contact and delayed hypersensitivity by Aloe barbadensis gel extract.

Rhein and aloe-emodin kinetics from senna laxatives in man.

Pharmacokinetic metabolic studies with 14C-aloe emodin after oral administration to male and female rats.

Some pharmacological actions of aloe extracts and Cassia abbreviata on rats and mice.

Effects of low molecular constitutents from Aloe vera gel on oxidative metabolism and cytotoxic and bactericidal activities of human neutrophils.

Studies of aloe. III. Mechanism of cathartic effect.

An anti-complementary polysaccharide with immunological adjuvant activity from the leaf parenchyma gel of Aloe vera.

[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.

Aloe vera

Comparative evaluation of aloe vera in the management of burn wounds in guinea pigs.

The glucomannan system from Aloe vahombe (liliaceae).

The Aloe vera phenomenon: a review of the properties and modern uses of the leaf parenchyma gel

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Wound healing. Oral and topical activity of Aloe vera.
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Anti-inflammatory and wound healing activity of a growth substance in Aloe vera.
Anti-inflammatory & wound healing properties of Aloe vera
Effects of topical medications on the healing of open pad wounds in dogs
Antiinflammatory activity of extracts from Aloe vera gel.
Skin Disorders Virus: Bacteria, Fungi & Parasites
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
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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
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Extract Preparation
Preparation of Extract of ARUM ALOE
Preparation of Extract of POMEGRANATE.
Preparation of Extract of TEA.
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Preparation of Combined Extracts of ARUM, POMEGRANATE, TEA and HIBISCUS
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Stimulation of Cytokine Production in Normal Persons
In Vitro Inhibition of gp 120 Binding to MT-4 Cells Measured with OKT4A Monoclonal Antibody.
In Vitro Inhibition of gp 120 Binding to MT-4 Cells Measured with Anti-gp 120 Monoclonal Antibody.
Chemical Analysis of Combined Extracts
Aloe vera gel toothpaste
United States Patent 5, 294, 434 March 15, 1994
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Detailed Description
United States Patent 5,989,560
November 23, 1999
Herbal intestinal tract cleanser
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Background of the Invention
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Detailed Description of the Preferred Embodiments
Aloe vera ointment
United States Patent 4,725,438 February 16, 1988
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U.S. Pat. 6,013, 259 (2000)
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Pharmaceutical/Cosmetic Compositions
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Washing
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- Macrophage Activation and Anti-inflammatory
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IL-6 Assay
RAW Cells Secreted Interleukin-6 in Response
to FBA

\(MF\) Stimulated IL-6 Production
Anti-Inflammatory Activities of Soluble Factors
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Kuhl Roshania
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Kushta Busud
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NIIR PROJECT CONSULTANCY SERVICES, 106-E, Kamla Nagar, New Delhi-110007, India. Email: npcs.india@gmail.com Website: NIIR.org