

Herbal Diabetic Wound Care Cream



Problem addressed

- ✓ Delayed wound healing in diabetic individuals.
- ✓ Limited effectiveness of existing ointments in addressing diabetic wound repair.
- ✓ Ineffective conventional treatments addressing both anti-pus forming bacterial infections as well as wound healing
- ✓ High dependency on synthetic medications

Inventor:

Dr. Priyanka Pandey

E-12/Street No. 01, Avni Vihar, Daldal, Seoni, Mowa, Raipur-492014, Chhattisgarh, India

Dr. Wasim Raja

Chhattisgarh Council of Science and Technology, Raipur- 492014, Chhattisgarh, India

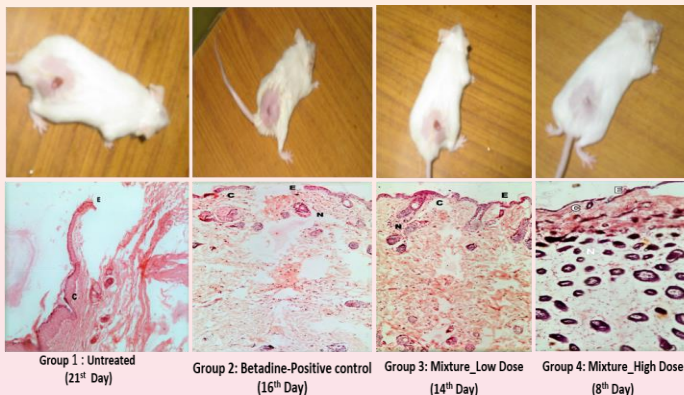
Application

- ✓ Wound healing
- ✓ Diabetic wound care
- ✓ Herbal wound care
- ✓ Antimicrobial prophylaxis

Intellectual Property:

Indian Patent application

Number: **202221072342**



Group 1 : Untreated (21st Day) Group 2: Betadine-Positive control (16th Day) Group 3: Mixture_Low Dose (14th Day) Group 4: Mixture_High Dose (8th Day)

Figure: Wound healing by the herbal extract

Technology:

This herbal diabetic wound care cream is a hydro-methanolic Mixture of *Camphor*, *Pippali*, *Pudina Satva*, and *Acacia nilotica* extract that shows exemplary wound healing and anti bacterial property. It has reduced wound area and epithelization time compared to the currently available products in the market. The methanolic extracts also exhibit faster wound healing and antibacterial activity against pus-forming bacteria.

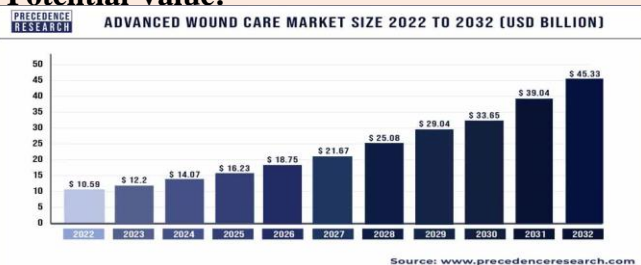
Category of the invention:

- ✓ Wound healing
- ✓ Diabetes Care and Treatment
- ✓ Antibacterial Product
- ✓ Herbal Medicine and Natural Healing
- ✓ Medicine and Pharmaceuticals

Advantages:

- ✓ Accelerates the wound healing process.
- ✓ Effectively combats pus-forming bacteria, reducing the risk of infections.
- ✓ Helps prevent and manage foot ulcers in diabetic individuals, a common but fatal complication in diabetic patient.
- ✓ Tested to exterminate pus forming microbes.
- ✓ Utilizes plant-based ingredients, providing a holistic and natural alternative to conventional medications.
- ✓ As a herbal formulation it reduces the risk of adverse effects.
- ✓ Maximize the impact of traditional medicinal knowledge.

Potential Value:



Source: www.precedenceresearch.com

USP:

- ✓ Accelerated Wound Healing
- ✓ Diabetic Foot Ulcer Prevention
- ✓ Promotes Tissue Regeneration
- ✓ Versatile Antibacterial in nature
- ✓ Herbal solution
- ✓ No adverse reaction

Reach Us:

Dr. Amaresh Panda

Lead, Technology Transfer Office, KIIT-TBI
amaresh@kiitincubator.in | +91-9819053408

Dr Samuel Rout

Manager, Technology Transfer Office, KIIT-TBI
samuel@kiitincubator.in | +91-7735389456

tto@kiitincubator.in | tto.kiitincubator.in