

(54) Title of the invention : POLYHERBAL AYURVEDIC FORMULATION FOR DIABETIC WOUND HEALING

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(57) Abstract :

ABSTRACT Polyherbal Ayurvedic Formulation for Diabetic Wound Healing The present invention relates to development of polyherbal ayurvedic formulation that can elevate the process of wound healing in diabetic patients, as a topical application used in dressings. More specifically, the present invention relates to polyherbal ayurvedic formulation which comprises of extract from Securinega leucopyrus (Katupila), Azadirachta indica (Neem), Acacia catechu (Khadir), and Vitex negundo (Nirgundi), blended in sesame oil. The developed polyherbal ayurvedic formulation exhibited promising properties, including antioxidant activity and the presence of bioactive compounds such as sesamin and gamma-sitosterol. In vitro assays demonstrated its ability to promote cell proliferation, reduce oxidative stress, and enhance apoptosis in hyperglycemic conditions. Furthermore, the developed formulation exhibits the wound healing property by promoting healthy cellular growth and gap filling.



Figure 1 shows the steps for the preparation of decoction 1

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