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(71)Name of Applicant :  
**1)Dr Pranay Wal**  
 Address of Applicant :Professor & Dean Pharmacy, Pranveer Singh Institute of Technology, Kanpur , UP, India -----  
 Name of Applicant : NA  
 Address of Applicant : NA

(72)Name of Inventor :  
**1)Dr Hemanga Hazarika**  
 Address of Applicant :Assistant Professor, Girijananda Chowdhury Institute of Pharmaceutical Science Tezpur, Dekargaon, Sonitpur, Assam Sonitpur -----  
**2)Aditya Bora**  
 Address of Applicant :Assistant Professor, School of Pharmaceutical Sciences, University of Science and Technology , Meghalaya, Baridua, Ribhoi, Meghalaya Ribhoi -----  
**3)V. Anil Kumar**  
 Address of Applicant :Assistant Professor, Department of Pharmaceutics, GET School of Pharmacy, Srikakulam, Andhra Pradesh Srikakulam ----  
 -----  
**4)Prof (Dr) Sangram Keshari Panda**  
 Address of Applicant :Principal, Jeypore College of Pharmacy, Jeypore, Koraput, Odisha Koraput -----  
**5)Joydeb Acharjee**  
 Address of Applicant :Assistant Professor, Rahman Institute of Pharmaceutical Sciences and Research, Sonapur, Tepesia, Guwahati, Assam Guwahati -----  
**6)Shekhar Chandra Borah**  
 Address of Applicant :Assistant Professor, Girijananda Chowdhury Institute of Pharmaceutical Sciences, Tezpur, Dekargaon, Sonitpur, Assam Sonitpur -----

(57) Abstract :

In one aspect of the present disclosure, a polyherbal composition is disclosed. The disclosed formulation does not have any ill effects on the skin. The hand sanitizer is prepared by mixing the following components in percentage by weight: aloe vera in between 12-20 % , coleus vetiveroids in between 12-22 % , Coriandrum sativum in between 5-10 % , citrus lemon in between 3-5 % , Azadirictica indica in between 2-6 % , and isopropyl alcohol in between 40 - 55% pure plant spice and the balance of de-ionized water. The composition includes a soothing agent in a therapeutically significant amount and a conditioner. The hand sanitizer is prepared by taking the various components in percentage by weight, adding to a mixing container and uniformly stirring. The hand sanitizer can inhibit bacteria and sterilize, and is abundant in foam and warm to clean; the hand sanitizer, which is added with plant additives, not only provides necessary moisturizing components for cleaned hand skin so as to keep the hand skin moist and delicate, but also effectively protects the skin from being hurt. The hand sanitizer, which contains natural citric acid, has functions of resisting and inhibiting bacteria, and is capable of enhancing anti-aging effect of the skin, improving microcirculation of the skin, and preventing the skin from becoming rough and chapped; the hand sanitizer, after long-term use, can whiten and moisturize the skin. In the prepared formulation, the alcohol was used along with oil extract to get better result. In this study the herbal extract based formulations were formulated which were used to reduce germs on hand and harmless to hand and alternative to synthetic drugs. This formulation is advanced hand sanitizer which has moisturizing properties; this is highly effective against surface microbes. Our formulation novelty lies in synergistic effects of various herbs used in preparation, for instance they are rich source of linolenic acid, which provide the anti oxidant effect along with skin smoothening benefit.

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 Registrar  
 University of Science & Technology,  
 Meghalaya