

## Formulation and evaluation of polyherbal cream for skin care

Vijitha C, Sirisha V and Srinivas Reddy C

Kakatiya University, India

In the present era, a large number of Indian population rely on the traditional system of medicine which is mostly plant based. Due to wide applicability of plant materials, now a day the development of herbal and ayurvedic preparations is increasing progressively. Specially, the incorporation of medicinal plant materials in the modern pharmaceutical dosage forms is gaining much importance. Pharmaceutically creams are semi solid preparations containing medicinal agents intended for external application. The aim of the present work was to formulate and evaluate the creams by using the ingredients of natural origin. Leaves of *Azadirachta indica*, leaves of *Ocimum sanctum* and rhizomes of *Zingiber officinale* were selected for the formulation. Initially the plant materials were extracted with ethanol and the dried extracts were incorporated in different proportions to get three different formulations. The formulated creams were evaluated for physical parameters viz. pH, viscosity and spreadability. The stability studies were conducted for the period 45 days with an interval of 15 days. Anti bacterial and antifungal activity of the poly herbal cream were carried out by using the micro organisms like *Staphylococcus epidermis*, *Propioni bacterium acne*, *Propioni bacterium shemanni* and *Candida albicans*, *Tricophyton rubrum* as antibacterial and antifungal organisms respectively. The results were compared with the marketed products (acne and co-trimoxazole). All the formulations showed significant activity with respect to the standard formulations.