

## ABSTRACT

The herbal drug industry has been used for medical care, cosmetics, and skin care products since ancient times. Now a days, everyone wants clear, charming, and glowing skin. The largest organ of the body is the skin and nowadays people are facing many skin problems due to pollution, unhealthy food, and lifestyle. Balanced nutrition is required for healthy, clear, and glowing skin. During puberty, hormonal changes occur in the body which causes many changes in the body, especially Acne vulgaris. Sulphur containing chemicals found in different face washes cause irritation and allergy to skin. They are also harmful for the environment. Different preservatives like Methyl Paraben, Propyl Paraben can easily absorb by the skin. DMDM hydantoin which release formaldehyde that is carcinogenic. In this research sulfate free and paraben free face wash is synthesized using Decyl glucoside and Sodium lauryl sarcocinate as surfactant to minimize the use environmental pollutants and skin problems. Guar gum was used as thickening agent while sodium benzoate was used as preservative. Three different batches of face washes were prepared named Charcoal face wash, White creamy face wash and gel based face wash using Citrullus lanatus extract as vitamin source, Lavandula angustifolia extract as anti- bacterial agent, Curcuma longa as a skin lightening agent, Syzygium aromaticum as skin whitening agent, Rosa rubiginosa as a natural moisturizer. Different parameters like pH, foaming ability, spread ability, homogeneity, wash ability and grittiness were evaluated. It is concluded that prepared formulations showed good results and they can be effectively used to treat acne and other skin problems as they are sulfate free paraben free.