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Cosmeceutical containing herbal active

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Among the numerous botanical ingredients available on the market today, several confer dermatologic benefits. Cosmeceuticals are ingredients with medicinal properties that manifest beneficial topical actions and provide protection against degeneration skin conditions. Cosmeceuticals are the fastest growing segment of the personal care industry for topical cosmeceutical treatments such as photo-aging, hyperpigmentation, wrinkles and hair damage have come in to wide spread use. During aging, the elasticity of the skin will decrease due to enzyme elastase leads to sagging and at same time hyaluronic acid in the skin also diminishes and skin becomes dry and wrinkled. Mangostanol present in root extract of *Garcinia mangostana* contains phenolic groups which have been reported to show good anti-aging property. Mangostanol is a pleiotropic agent capable of modulating key regulatory cell signaling pathways. The present work is aimed to develop an anti-aging skin protecting formulation using novel, herbal root extract obtained from *Garcinia mangostana* and evaluate the formulation for various quality control parameters. The cream was formulated using excipients like stiffening agents, emulsifying agents, humectants, emollients (DUB SSIC), preservative (Euxyl K 510) along with active. The quality assessment of cream was carried out by studying the appearance, texture, odour, pH, viscosity, spread ability and anti-aging activity. Also, the formulation was evaluated in healthy human volunteers for skin irritation. Formulation satisfied desired physiochemical properties and found to be non-irritant and stable over period of 2 months. Thus, skin protecting cream containing *Garcinia mangostana* root extract was successfully formulated and evaluated thereby proving its cosmeceutical potential.

Biography

Maryam Zare is an MPharm Student of VIPS and she is currently pursuing her course under the guidance of Dr. Namita Naikkhanvte at Rajiv Gandhi University of Health Sciences, Karnataka.

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