

A Review on Formulation And Evaluation Of Herbal Sunscreen

Pable Prathamesh Vishnu, Prof. S. M. Jaggi, Prof. Dr. P. Y. Pawar

Padmashree Dr. Vithalrao Vikhe Patil Foundation's College of Pharmacy, Ahilyanagar, India

pableprathmesh@gmail.com

Abstract: *The modern, fast-paced lifestyle adversely impacts our health, particularly through exposure to pollution and harsh synthetic chemicals. Nature, however, provides timeless and valuable herbal remedies. One significant concern is UV radiation, a primary cause of sunburn and a risk factor for serious skin cancers. Sunscreen, a topical product designed to reflect or absorb UV radiation, can prevent sunburn and mitigate other harmful effects of sun exposure, such as skin cancer and premature aging. This study discusses the formulation and evaluation of topical photoprotective products that incorporate additional photo-protective polyphenols. These products offer antioxidant, anti-malignant, antifungal, anti-aging, and moisturizing benefits, along with properties conducive to wound healing. UV radiation has been linked to skin issues like sunburn and symptoms resulting from prolonged exposure. The ability to prevent sunburn and diminish the adverse effects of the sun, including premature aging and skin cancer, is significant. The present research outlines the formulation and evaluation of topical photoprotective. These formulations incorporate antioxidant, anti-malignant, wound healing, antifungal, anti-aging, moisturizing, anti-inflammatory, antiproliferative, and other photo-protective polyphenols. This research delivers a stable, natural photoprotective product boasting antioxidant properties, high SPF, and essential homogeneous UVA/UVB protection. This review study aimed to identify natural extracted ingredients for sunscreen. Some natural ingredients such as: Jojoba oil, Tomato (Lycopene), Soya oil, Aloe-Vera., etc.*

Keywords: natural sunscreen; herbal sunscreen; SPF; skin care; antioxidant; UV protection