

Formulation and Evaluation of Antiarthritic Gel

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Abstract: *The objective of the study is to formulate and evaluate a topical herbal gel containing Limonia acidissima fruit extract for anti-arthritic. Herbal gel formulation was prepared using carbopol and it was evaluated for physical appearance, pH, viscosity, spreadability, extrudability, and primary skin irritation tests. Herbal Medicines are the major remedies for the traditional system of medicine have been used in medical Practices since ancient times. Limonia acidissima belongs to a monotypic genus, Limonia, and is classified under the family Rutaceae. It is an exotic deciduous tree found in India, Pakistan, Sri Lanka, and Southeast Asia. The Potential antimicrobial activity was examined by minimum concentration and zone of inhibition Analysis. Phytochemical screening results of the ethanol fraction of Limonia acidissima can be detected in the content of alkaloids, terpenoids. Anthraquinones, and saponins. Methanol extract showed good antibacterial activity with high inhibition zones. Arthritis is an inflammatory disorder that primarily affects the elderly and causes severe bone deterioration, inflammation, discomfort, and weakness. Allopathic treatment can only treat the symptoms. Phytochemical constituents of Limonia acidissima have been shown to have anti-inflammatory and antiarthritic effects.*

Keywords: Limonia acidissima, Inflammation, Antiarthritic, Carbopol

