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Isolation and Comparative Study of Mucilage from Fenugreek Seeds

Amit Nishad*, Virendra Rajwade, Omika Yadu, Ashok Bhagat, Nilesh Banarse and
D.K.Pradhan

Apollo College of Pharmacy, Anjora, Durg (C.G)-491001

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In recent years, plant derived polymers have evoked tremendous interest due to their diverse pharmaceutical applications such as diluent, binder, disintegrants in tablets, thickeners in oral liquids, protective colloids in suspensions, gelling agents in gels and bases in suppository, they are also used in cosmetics, textiles, paints and paper-making . These polymers such as natural gums and mucilage are biocompatible, cheap and easily available and are preferred to semi synthetic and synthetic excipients because of their lack of toxicity, low cost, availability, soothing action and non-irritant nature. The present study was concerned with the isolation and comparative study of mucilage from Fenugreek (*Trigonella foenum-graceum* L.) seeds. The Mucilage was isolated by using alcohol or acetone as a solvent and the mucilage was characterize for all the parameters viz. solubility, swelling index, loss on drying and pH as per official monographs. From the performed experiment, it was found that the percentage of alcoholic mucilage (1.83 g) is more than the acetonic mucilage (1.68 g), while the other parameters were found almost similar