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### Physicochemical and Phytochemical studies on Mucilage extracted from fruits of *Polyalthia longifolia*

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**Abstract:** In the present study Phytochemical and Physicochemical studies on mucilage extracted from fruit of *Polyalthia longifolia* have been evaluated. The preliminary phytochemical screening revealed the presence of Carbohydrate, Amino acid and Protein content, alkaloid, volatile oil, phytosterol. For exact and proper identification of plant and its constituents, Physicochemical parameters like (Total ash, pH, R.I is fundamental physical property can be used to identify the substances, confirm its purity and to measure the concentration. From above results the R.I of *Polyalthia longifolia* fruit mucilage powder it was 1.364), Specific gravity, Water holding capacity) provide useful information.

**Keywords:** Physicochemical, Phytochemical studies, Mucilage, *Polyalthia longifolia*.

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