



## Formulation and Evaluation of Pediatric Paracetamol Elixir Using Natural Colorant

Mamatha Tirunagari<sup>1\*</sup>, Nagadivya Nerella<sup>1</sup>, Anupama Koneru<sup>2</sup>,  
Madiah<sup>1</sup>, Syed Sarfaraz<sup>1</sup>, M. A. Mushtaq<sup>3</sup>

<sup>1</sup>Department of Pharmaceutics, Sultan – ul –Uloom College of Pharmacy, Road No: 3, Banjara Hills, Hyderabad – 500034, Telangana State, India

<sup>2</sup>Department of Pharmacology, Sultan – ul –Uloom College of Pharmacy, Road No: 3, Banjara Hills, Hyderabad – 500034, Telangana State, India

<sup>3</sup>Department of Pharmacy Practice, Sultan – ul –Uloom College of Pharmacy, Road No: 3, Banjara Hills, Hyderabad – 500034, Telangana State, India

**Abstract :** Oral dosage forms are most popular among other dosage forms. In terms of bioavailability liquid dosage form is better than that of solid dosage form. In the present scenario monophagic liquid dosage forms such as syrups, elixirs, throat paints, mouth washes, gargles have gained huge popularity. These are very basic preparations which involve brief processes, machineries and are cost effective also. They come in wide range colours and flavors so as to attract the pediatric age group. Currently colors derived from natural sources are given priority compared to synthetic ones. In this study we formulated paracetamol which is a bitter drug as an elixir using natural colorant from annatto seeds at three different concentrations in F1, F2, and F3. Ethanol, Propylene glycol, mixed fruit juice, chloroform spirit, sucrose syrup and glycerin were also used. These formulations were evaluated for different physical parameters and it showed good results.

**Keywords :** Elixirs, Pediatric, Paracetamol, Monophonic, Annatto, Syrup.

Mamatha Tirunagari *et al*/International Journal of PharmTech Research, 2020,13(3): 180-185.

DOI= <http://dx.doi.org/10.20902/IJPTR.2019.130307>

Running title: Paedriatic Paracetamol Elixir