
*Study of in-vitro antihistaminic efficacy of
amaranthus spinosus linn leaves extract*

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Abstract:

Antihistamines inhibit histamines from causing allergic reactions... Amaranthus Spinosus Linn is a widely available plant that inhibits mast cell-mediated anaphylactic reactions. It also possesses laxative, diuretic, anti-diabetic, antipyretic, anti-snake venom, antileprotic, anti-gonorrhoeal, and expectorant effects. It also have anti-inflammatory, immunomodulatory, anti-androgenic, and anthelmintic properties. The soxhlation method was used to prepare the ethanolic extract. In vitro research was conducted using isolated chick ileum. Chick ileum was suspended at 37 °C with a sufficient oxygen supply in an organ bath containing Tyrode solution. The effects of extract from Amaranthus spinosus Linn leaves on histamine-induced ileum contractions were investigated and contrasted with those of chlorpheniramine maleate. For both chlorpheniramine maleate and the ethanolic extract of Amaranthus spinosus Linn leaves, the mean percentage response was computed. From this study it was concluded that Amaranthus spinosus Linn extract have significant antihistaminic activity compared to Chlorpheniramine.

Keywords:

Antihistaminic, Amaranthus spinosus linn leaves