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In Vitro Anti-inflammatory Activity of Tagetes Erecta Flower, Cyano Dactylon and Curcuma Amada Rhizome Extracts

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ABSTRACT

To evaluate the in vitro anti-inflammatory effect of Tagetes erecta flower, Cyanodon dactylon and Curcuma amada rhizome extract against the denaturation of protein. The extract at different concentrations was incubated with egg albumin in controlled experimental conditions and subjected to determination of absorbance and viscosity to assess the anti-inflammatory property. Diclofenac sodium was used as the reference drug. The present findings exhibited a concentration dependent inhibition of protein (albumin) denaturation by the Tagetes erecta flower, Cyanodon dactylon and Curcuma amada rhizome extract. The effect of diclofenac sodium was found to be less when compared with the test extract. From the present study it can be concluded that Tagetes erecta flower, Cyanodon dactylon and Curcuma amada rhizome possessed marked in vitro anti-inflammatory effect. Among the different plant, Curcuma amada rhizome produced marked in-vitro anti-inflammatory activity than other plants.

Keywords: *In vitro*, Tagetes erecta flower, Cyanodon dactylon and Curcuma amada rhizome, protein denaturation.
