

## **IN VITRO STUDIES ON ANTIOXIDANT AND IRON-CHELATING ACTIVITY OF *ENHYDRA FLUCTUANS* LOUR**

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*In vitro* studies on the Antioxidant and iron chelating activity of *Enhydra fluctuans* Lour has been conducted. Total Antioxidant activity was determined being based on the reduction of Mo (VI) to Mo (V) by the extract of the plant and final formation of green phosphate/Mo (V) complex at acidic pH. Total antioxidant activity was expressed as ascorbic acid equivalent activity and was found as 0.138 in the study. Iron chelating activity was based on the capacity to decolorize the Iron-Ferrozine complex.  $IC_{50}$  value in relation to iron chelating activity of the plant was 6.38 mg/ml in this study.

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