

IDENTIFICATION OF SOME SECONDARY METABOLIC COMPOUNDS IN OCIMUM
(Ocimum basilicum L.) AND STUDY THE EFFECT OF ITS VOLATILE OIL ON SOME
PATHOGENIC BACTERIA .

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ABSTRACT

This search is carried out on Ocimum basilicum L. from Labiate (Lamiaceae) Family ,The purpose is uncovering secondary metabolism components (Alkaloids, Glycosides , Tannins , Resons , Saponines , Flavones, Phenols , Terpens , Steroids , Comarins and Volatile Oil) in various parts (stems , leaves, flowers).the result is found the plant is rich with secondary metabolism components As to Extraction volatile oil in Steam extraction the rate of it's extraction (1.20%), water extraction is (1.35 %) and Extraction by organic solvent is (1.75%) . Its rate higher found it. Then oil extraction quantification some physical quality like light rotation, density and fracture coefficient after that to test inhibition effect for oil against some types pathogenic bacterial is higher effect anti E.Coli and minimum for its inhibition was anti K. penumoniae bacteria .