

EFFECT OF AQUEOUS AND ETHANOL EXTRACTS OF *Melia azedarach* L. AND *Peganumharmala* L. ON ANTS WORKER *Aphaenogaster muschtidica* EMERY (HYMENOPTERA : FORMICIDAE) MORTILITY

SanaaNagem Al- hadidi

*Biology Department - College of Science -University of Diyala-Republic of Iraq.

ABSTRACT

The effectiveness of extracts of cold and hot water and ethanol extract of *Melia azedarach* L. fruits and seeds *Peganumharmala* L. tested laboratory against ant workers during a period of 24 hr. Results showed superiority extracts fruits *Melia azedarach* L. extracts seeds *Peganumharmala* L. in achieving higher rates of mortality in value 21.421 , 9.344%, respectively ,as superiority extract ethanol alcohol for both plants on the aqueous extracts cold and hot, amounting ratios mortality of worker ants 17.625 , 15.683 , 12,840% respectively ,also this study appeared that the efficacy insecticidal against worker ants increasing with increase the concentration of the extracts for both plants in value 11.620 , 13.660 ,15.678 ,20.573 % for concentrations 1 ,2.5 ,5 ,10% respectively.

Key words : Ants, *Melia azedarach* L., *Peganumharmala* L., Plants extracts .