Effect of aqueous extracts of *Eucalyptus*, *Myrtus* and *Nerium* leaves on weed weight accompanied with growth of wheat *Triticum aestivum* L.

Tأثير المستخلصات المائية النباتات اليوكلابتوس والياس والدفلة في وزن نباتات حنطة  *Triticum aestivum* L.

Abstract

An experiment was conducted at Al-Mishkhab Experimental Research Station, to study the effects of water extracts of *Eucalyptus*, *Myrtus* and *Nerium* plant leaves on weed weight accompanied with growth of wheat. Extraction was done by cold water (at room temperature) and boiled water, to prepare concentrations of 25%, 50%, 75% and 100% as well as the control treatment (distilled water).

Results showed that water extracts of *Eucalyptus*, *Myrtus* and *Nerium* plant leaves reduced weed dry weights. *Myrtus* water leaf extract gave the lightest weed dry weights compared to the other two leaf extracts.

It was noticed that, weed dry weights were inhibited with an increase in the concentration of all leaf extracts. Mean weed dry weights reduced to 5.60g/m² for wide weed leaf compared to narrow weed leaf which their mean dry weight was 8.0 g/m².

Mستقل من رسالة ماجستير للباحث الأول.