

Allelopathy effects for (*Secale cereale* L.) and (*Brassicai nigra* L.)in :

1-Inhibition of Rhizobium growth and nodulation of (*Vica faba* L.)

Mahmood Sh.R. AL – Gebori

Inaam F.H AL – Zuhairi

Biology Dept./ college of sciences / Diyala Univ.

ABSTRACT

During the spring period of 2008 laboratory experiment was conducted in Diyala province to study the allelopathy effects of different concentrations of the aerial parts (leaves , stems and flowers) extracts of (*Secale cereale* L.) and wild mustard (*Brassicai nigra* L.) on plumul and radical length . *Rhizobium* growth and nodulation of(*Vicia faba* L.) .The results showed that the aerial extracts had a significant herbicidal effects (specially in high concentrations) on plumul and radical length of (*Vicia faba* L.) as well as the extracts inhibited the *Rhizobium* growth and had a significant decrease of nodulation.