

ملخصات الأبحاث المدعومة المنشورة في مؤتمرات :

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(A review of some Ant diabetic, & Ant ulcer evaluation of Jordanian Iraqi Medicinal Plants)

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ملخص البحث :

A screening program of some of the Jordanian & Iraqi medicinal plants for hypoglycemic & anti- ulcer activities has been started. This evaluation was based on the use of some of them in traditional medicine.

The hypoglycemic effects of the aqueous of various parts of 19 herbs have been examined in experimental normal, glucose loaded & alloxan diabetic animals. The anti-ulcer activity was studied by administration of the aqueous of *Teucrium polium* in ulcer induced (by starvation & reserpine or by stress) rat.

Oral administration of the aqueous extract of the aerial parts of *Artemisia herba alba* to normoglycemic & alloxan diabetic rabbits & rats produced significant hypoglycemic activity. The aerial aqueous extract of both *Phangnalon rupestre* & *Eryngium creticum* also exhibited a potent & significant hypoglycemic effects in euglycemic & glucose loaded rats. While all of the other examined plants (*Ditrichia graveolens*), *Alkanna strigosa* , *Sinapis arvensis* , *Centaurea iberica* , *Asphodelin lutea*, *Paronychia argentea* , *rosmarinus officinalis* , *Achillea santolina* , *Achillea micrantha* , *Alium cepa*, *Allium sativum* , *Centaurea phyllacephala*, *Centaurea behen*, *Crataegus azarilus* , *Prosopis farcta* & *Mytus communis* (failed to produce a significant hypoglycemic activity but in contrast they the plasma glucose levels.

On the other the aqueous extract of *Teucrium* (150mg/kg i.p) produced 50% healing of ulcers where as the orally giving extract produced 85% healing activity of the ulcers in comparison with the controls.

Key words: Medicinal plants, Anti-diabetic, Anti-ulcer.