

THE ANTIOXIDANT ACTIVITY AND FREE RADICAL SCAVENGING POTENTIAL OF TWO MEDICINALS PLANTS *SALVIA OFFICINALIS* AND *PHLOMIS SAMIA*.

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RÉSUMÉ :

In recent years considerable attention has been devoted To medicinal plants with antioxidant properties. The properties are commonly postulated to play an important role in preventing diseases caused by oxidative stress, such as cancer, coronary arteriosclerosis, and the ageing processes .

There is much literature concerning the antioxidant properties of many species of genus *Salvia*. for their 1,1-diphenyl-2-picrylhydrazyl (DPPH) free radical scavenging activities Among them, *Salvia officinalis* leaf extracts have been shown to be the most active with effective dose (EC50)of 17lg/ml, followed by the genus *Phlomis* by (EC50 =32 lg/ml) Which for the first time studied in our search . For its high antioxidant activity, *S. officinalis* besides rosemary is widely used commercially in foodstuffs.

There is evidence that antioxidant properties of sage and *phlomis* extracts are mainly attributed to the abietane-type diterpenoids (carnosic acid and carnosol) and caffeic acid derivatives (e.g., rosmarinic acid) Flavonoids and certain components of essential oil.

MOTS-CLÉS : antioxidant activity , dpph activity , Linoleic acid peroxidation,*salvia officinalis* , *phlomis samia*.