

## **Antioxidant Activity of Four Algerian Plants: *Cistus ladaniferus*, *Crataegus oxyacantha*, *Lavandula stoechas* and *Smyrniolum olusatrum***

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### **Abstract :**

The crude extracts of four Algerian plants were screened for their antioxidant properties using free radical method and ascorbic acid as standard antioxidant. Free radical scavenging activity was evaluated using 2,2'-diphenyl picrylhydrazyl. Ascorbic acid and *Crataegus oxyacantha* extract showed strong antioxidant activity with the DPPH method according to their EC<sub>50</sub>. This activity was classified in order: ascorbic acid (1.04  $\mu\text{g mL}^{-1}$ ) > *Crataegus oxyacantha* extracts (2.75  $\mu\text{g mL}^{-1}$ ) > *Lavandula stoechas* extracts (5.29  $\mu\text{g mL}^{-1}$ ) > *Smyrniolum olusatrum* extracts (9.68  $\mu\text{g mL}^{-1}$ ) > *Cistus ladaniferus* extracts (11.42  $\mu\text{g mL}^{-1}$ ).

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