

ANTIOXIDATIVE AND FREE RADICAL SCAVENGING ACTIVITIES OF SELECTED HERBS

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The total antioxidant activity and superoxide, ABTS and DPPH radical-scavenging activities and oxidant effect of eighteen selected herbs were studied. The aqueous extracts of Camomile, Dandelion, Lemon vervena, Rose hip and Rosemary exhibited the highest total phenol contents (750-850 mg GAE/100 g) and total flavonoids (300-431 mg CE/100 g) contents. And camomile and rose hip showed the potency in inhibiting superoxide radical activity and ABTS radical scavenging activity. Total phenolic contents showed a higher correlation with radical scavenging activity ($r^2=0.9879$) than the total flavonoids ($r^2=0.5782$), which indicated that phenolics might contribute to the total antioxidant activity more directly than other flavonoids.

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