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ORIGINAL ARTICLE

THE EFFECT OF FLAVONOIDS EXTRACTS FROM HAWTHORN (*CRATAGUS OXYACANTHUS*) AGAINST SOME GRAM-POSITIVE AND GRAM-NEGATIVE BACTERIA SPECIES

Abstract

The present study has shown the screening test of Hawthorn fruits (*Crataegus spp.*) using crude hydroalcoholic extract and in vitro antimicrobial activity of extracted flavonoid which has shown more antibacterial activity than crude extract with minimal inhibitory concentration (MIC) values ranged from 5% to 2.5%.

The amount of total flavonoid and antioxidant activity of Hawthorn fruits (*Crataegus spp.*) in various concentration extracts and antioxidant activities of different concentration extracts were determined by radical scavenging by 2, 2-diphenyl-1-picrylhydrazyl (DPPH•). The output showed that the contents of flavonoid were found to be 0.386 mg quercet in equivalents (QUE/g). Dried extract displayed remarkable antioxidant activity according to (DPPH•) assays.