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Total Phenolic And Total Flavonoids The total phenolic content of the methanolic root extract, calculated from the calibration curve ($R^2 = 0.998$), was 45.17 ± 1.70 gallic acid equivalents/g, and the total flavonoid content ($R^2 = 0.999$) was 35 ± 2.20 rutin equivalents/g (Table 1). Phenolic compounds have redox properties, which allow them to act as antioxidants. Determination of total phenolic and flavonoid content ... Total phenolic and total flavonoid contents in the methanol extract were (90.08 ± 0.44) mg gallic acid equivalents/g and (58.50 ± 0.09) mg quercetin equivalents/g, respectively. Total Phenolic, Total Flavonoid Content, and Antioxidant

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... Strong correlation ($R = 0.8613$) between total phenolic compounds and total flavonoids ($R = 0.8430$) and that of antioxidant activity of the extracts were observed. The study revealed that phenolic, in particular flavonoids, may be the main contributors to the antioxidant activity exhibited by the plants. Total Phenolic Compounds, Flavonoids, and Radical ... The total phenolic and flavonoid content was positively associated with the antibacterial activities of the fractions with chloroform extract exhibiting lowest antibacterial activity against *E. coli* (MIC 25 mg/ml) and the methanol fraction exhibiting the highest antibacterial effect against *S. aureus* (MIC 0.19 mg/ml). Total phenolic and flavonoid content and antibacterial

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... All the experiments for determination of total phenolics, total flavonoids, and antioxidant properties using DPPH and cellular antioxidant assay (CAA) were conducted in triplicates. The values are expressed as the mean \pm standard deviation (SD). Average crop yield was calculated by dividing total yield by number of plants grown. Assessment of Total Phenolic and Flavonoid Content ... Concerning total phenolic and flavonoid contents, the results suggest that phenolics and flavonoids are important components of the crude methanolic extract. These results are in accordance with previous findings reported in other Apiaceae species extracted with methanol such as *Prangos ferulacea* Lindl,

Prangos meliocarpoides Boiss and Prangos uechtritzii Boiss. In Vitro Assessment of Total Phenolic and Flavonoid ... 3.1. Phenolic, flavonoid and proline contents. Total phenolic content (mg of GAE/100 g of honey) varied from 32.59 to 114.75 mg with a mean of 74.38 ± 20.54 mg using the standard curve of gallic acid ($R^2 = 0.9990$). The total phenolic content varied from 32.59 in a multifloral honey (sample 18) to 93.66 mg in honeydew honey. Determination of the total phenolic, flavonoid and proline ... Total flavonoid content The flavonoids content was determined by aluminium trichloride method using catechin as reference compound (Zhishen et al., 1999). A volume of $125\mu\text{L}$ of extract is added to $75\mu\text{L}$ of a 5% NaNO_2 solution.

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The mixture was allowed to stand for 6 min, then 150 μ L of aluminium trichloride (10%) was added and Total Phenolic, Total Flavonoid, Tannin Content, and ... Total phenolic acids (a) and total flavonoids (b) in extracts of tomato plants. The data are mean values \pm SD from at least three determinations. The mean values represented by the bars for each type of extract that are indicated with a different letter are significantly different ($P \leq 0.05$). Total Phenolic, Flavonoid, Tomatine, and Tomatidine ... Values in percentage ranged from 27.26 to 89.78%. The total phenolic content ranged from 27.26 to 89.78 mg/g of dry weight of extract, expressed as gallic acid equivalents. The total flavonoid concentrations varied

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from 18.72 to 54.77 mg/g,

expressed as rutin equivalents.

Methanolic extract of M.

peregrinum showed the highest

phenolic and flavonoid TOTAL

PHENOLIC CONTENT, FLAVONOID

CONCENTRATION AND ... The total

phenolic content was calculated

from the calibration curve of gallic

acid and the results were expressed

in mg gallic acid equivalent per

gram of dried extract. Total

flavonoid content: The flavonoids

content was determined according

to the method described by

Kumaran and Karunakaran with

slight modifications 25. Estimation

of Total Phenolic and Total

Flavonoid Content ... The total

phenolic contents (TPC) (121.9 ± 3.1

mg GAE/g extract) of TLM while

total flavonoid contents (TFC) of TLE

(60.9 ±2.2 mg RTE/g extract) were found significantly higher as compared to other solvent fractions. Antioxidant activity, total phenolic and total flavonoid ... there is no general relationship between total Phenol and total Flavonoids but it is well known that total phenolics must be always greater than total flavonoids. What is the relation between total Phenol & total Flavonoids? The total polyphenol, flavonoid and tannin content were determined according respectively to Folin-Ciocalteu method, Zhishen method and Broadhurst method. The leaves of *H. halimifolium* had greater... (PDF) Total Phenolic, Total Flavonoid, Tannin Content, and ... INTERNATIONAL JOURNAL OF PHYTOTHEAPY RESEARCH

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Determination of Total phenolic acids, condensed tannins and flavonoids in the leaves of *Caesalpinia pulcherrima* (Linn.) (PDF) INTERNATIONAL JOURNAL OF PHYTOTHEAPRY RESEARCH ... The total Phenolic content of the extracts was determined spectrophotometrically according to the Folin-Ciocalteu procedure and ranged from 366mg/100g to 212mg/100g on fresh weight basis. The total flavanoid content of extracts determined by Aluminium chloride colorimetric assay and ranged from 39.84mg/100g to 15.94mg/100g of fresh weight. Study of total phenolic and flavonoid content, antioxidant ... the dominant phenolics compounds in Cavendish and Dream bananas in Malaysia;

therefore the total phenolic contents were expressed as mg gallic acid equivalents (GAE)/100 g of dry matter. All samples were analyzed in triplicates and results averaged. Determination of total flavonoids content (TFC) TFC of the extracts were determined according Total phenolics, flavonoids and antioxidant activity of ... Estimation of total flavonoid content. Total flavonoid content was determined following a method in literature , where 0.3 ml of extracts, 3.4 ml of 30% methanol, 0.15 ml of NaNO_2 (0.5 M) and 0.15 ml of $\text{AlCl}_3 \cdot 6\text{H}_2\text{O}$ (0.3 M) were mixed. After 5 min, 1 ml of NaOH (1 M) was added.

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