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ANTIOXIDANT CAPACITY, TOTAL PHENOLIC AND TOTAL FLAVONOID

...

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The concentration of the total phenolics was determined as mg of caffeic acid equivalent by using an equation obtained from caffeic acid calibration curve. The estimation of phenolic compounds in the fractions was carried out in triplicate and the results were averaged. 2.5. Determination of total flavonoids

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Total phenolic, flavonoid content, and antioxidant ...

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.

Total Phenolic and Flavonoid

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Content and Biological ...

the calibration curve. The mean of three readings was used and the total phenolic content was expressed in mg of Gallic acid equivalents (GAE/100 g) of honey.

2.4. Estimation of total flavonoid content

The total flavonoid content was determined using the method of Dowd as adapted by Arvouet-Grand et al.,

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1994, [20] with some minor modifications.

Total Phenolic assay

The aim of this study was to evaluate the total phenolic and flavonoid content, and the in vitro antioxidant, anti-inflammatory, antibacterial, antifungal, antimalarial, cytotoxicity, and

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antiprotozoal activities of the Algerian plant *Cytisus villosus* Pourr. (Syn. *Cytisus triflorus* L'Hérit.). Additionally, the radioligand displacement affinity on opioid and cannabinoid receptors was ...

Total Phenolic and Flavonoids Contents, Radical Scavenging ...

The total yield, total phenolic (TPC) and

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total flavonoid contents (TFC) of all the fractions were also determined. TLM was also subjected to preliminary phytochemical screening test for various constituents. Results: The total phenolic contents (TPC) (121.9 ± 3.1 mg GAE/g extract) of TLM while total flavonoid contents (TFC)

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Total Phenolics and Total Flavonoids in Selected Indian ...

The total phenols and flavonoids of the bulbs of *E. bulbosa* were higher than leaves and flower and its antioxidant activity was also stronger than leaves and flowers of *E. bulbosa*. The higher content of flavonoids or total phenols, the stronger the antioxidant capacity in

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Total Phenolic, Total Flavonoid, Tannin Content, and ...

The solution was mixed and absorbance was measured against the blank at 510 nm. The total flavonoid content was expressed as mg quercetin equivalents (QE). The results for total phenolic and

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total flavonoid content and the ratio of total flavonoids/total phenolics in the studied plant extracts are presented in Table 1.

Assessment of Total Phenolic and Flavonoid Content ...

Determination of total phenolics. Plant phenolics are widely distributed in

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nature as secondary metabolites. More than 8000 phenolic compounds have been reported from various plant sources. They are usually classified into polyphenols (tannins and flavonoids), phenolic acids and miscellaneous (such as coumarins, lignans,...etc).

TOTAL PHENOLIC AND TOTAL

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FLAVONOIDS CONTENT OF PITAYA

...

The antioxidant capacity, total phenolic and flavonoid contents of *Allium ampeloprasum* L. in Siirt were determined in this study. The samples were analyzed using two different solvents (Water and ...

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Total Phenolic And Total Flavonoids

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 μ L of extract is added to 75 μ L of a 5% NaNO₂ solution. The mixture was allowed to stand for 6

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min, then 150 μ L of aluminium trichloride (10%) was added and

Total phenolics, flavonoids and antioxidant activity of ...

A comparison of the product yield, total phenolics, total flavonoids, and antioxidant properties was done in different leafy vegetables/herbs (basil,

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chard, parsley, and red kale) and fruit crops (bell pepper, cherry tomatoes, cucumber, and squash) grown in aeroponic growing systems (AG) and in the field (FG).

Determination of total phenolic, flavonoid content and ...

total phenolic and flavonoid contents of

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the extract as the potent compounds which may be responsible for the reduction of silver ion to Ag NPs. Radical scavenging activity of the extract and synthesized Ag NPs were also evaluated in this project. The green synthesis of Ag NPs by *L. nobilis* extract has not been reported before. Material and Methods

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What is the relation between total Phenol & total Flavonoids?

ii I declare that this thesis is entitled “Total Phenolic and Total Flavonoids Content of Pitaya Peels by Water Extraction” is the result of my own research except as cited in the references. The thesis has not been accepted for any degree and is not

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TOTAL PHENOLIC CONTENT, FLAVONOID CONCENTRATION AND

...

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,

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and the total flavonoid content ($R^2 = 0.999$) was 35 ± 2.20 rutin equivalents/g . Phenolic compounds have redox properties, which allow them to act as antioxidants . As their free radical scavenging ability is facilitated by their hydroxyl groups, the total phenolic concentration could be used as a basis for rapid screening of ...

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Phytochemical Screening, Total Flavonoid and Total ...

of mixed herbs (F1) showing the flavonoid content of 0.40 ± 0.1 mg/g. Table. 3 describes the TPC and TFC of all the three formulations of herbs and spices while figure.4 shows their graphical presentation. Table 3: Total

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Phenolic and Flavonoid content of Hot Water Extracts of Herbs and Spices. Formulations Total Phenolic Content (TPC) mg/g

Determination of total phenolic and flavonoid content ...

The results for total phenolic and total flavonoid content in the studied plant

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extracts are presented in the graph. The results showed that *Chukrasia tabularis* belonging to the family Meliaceae is the richest source of phenolics and flavonoid (total phenolic content: 17.2 mg GAE/g and total flavonoid content: 3.82 QE/g).

RESEARCH ARTICLE Open Access
Antioxidant activity, total ...

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The aim of this study was to screen various solvent extracts of whole plant of *Torilis leptophylla* to display potent antioxidant activity in vitro and in vivo, total phenolic and flavonoid contents in order to find possible sources for future novel antioxidants in food and pharmaceutical formulations. A detailed study was performed on the antioxidant

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activity of the methanol extract of whole

...

Determination of total phenolic and flavonoidal content ...

Each part of plant were extracted by reflux using 70% ethanol as the solvent for 2 h and repeated 3 times. Total flavonoid content was determined by

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aluminium chloride colorimetric assay on 415 nm. Total phenolic content was determined with Folin-Ciocalteu 1:4 on 765 nm using microplate reader.

Estimation of total flavonoids, phenols and antioxidant ...

The relationship between total phenolic content and antioxidant activity using

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DPPH assay and total flavonoid and antioxidant activity using cellular antioxidant assay in different crops grown in aeroponic systems and in the field is shown in Figures 5 and 6, respectively.

Assessment of Total Phenolic and Flavonoid Content ...

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to examine the total phenolic content, flavonoid concentration and antioxidant activity. The yield of extract obtained from 10 g of dry plant material was measured for each extract (Table 1). The highest yield of solid residue was obtained using water or methanol as extraction solvents. Table 1.

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