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Extraction  
Parameters Of  
Phenolic

# Optimization Of Extraction Parameters Of Phenolic

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## Parameters Of **Optimization Of Extraction**

### **Parameters Of**

Response surface methodology (RSM) has been employed successfully by solid-liquid reflux extraction methods for the optimization of different extraction variables viz., temperature (X135-70 °C), extraction time

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(X230-60 min), solvent composition (X320-80%), solvent-to-solid ratio (X430-60 mlg<sup>-1</sup>), and particle size (X53-6 mm) on maximum recovery of triterpenoid from stem parts of *Swertia chirata*.

## **Optimization of extraction parameters of pentacyclic ...**

<P>Background:  
Reverse Iontophoresis

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(RI) is one of the promising non-invasive technologies. It relies on the transition of low magnitude current th...

## **Optimization of Extraction Parameters of Reverse ...**

The optimization of extraction parameters of phenolics from defatted marigold residue for the maximum antioxidant capacity was carried

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out by RSM. The independent process variables were ethanol concentration (X 1), temperature (X 2), and extraction time (X 3). The levels of the independent parameters were based on the preliminary experimental results.

## **Optimization of extraction parameters of bioactive ...**



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Optimization of  
Extraction Parameters  
by Using Response  
Surface Methodology,  
Purification, and  
Identification of  
Anthocyanin Pigments  
in Melastoma  
malabathricum Fruit  
Nordiyannah Anuar,<sup>1</sup>  
Ahmad Faris Mohd  
Adnan,<sup>1,2</sup> Naziz Saat,<sup>1</sup>  
Norkasmani Aziz,<sup>1,2</sup>  
and Rosna Mat Taha<sup>1,2</sup>

**Optimization of  
Extraction**

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## **Parameters by Using Response...**

In order to reduce power consumption and improve the efficiency of extraction of bioactive compounds from AR, the optimum extraction parameters were 50 °C, 70 min, 70% ethanol and 1:40 solid: liquid ratio for %DPPH sc, %ABTS sc, %O<sub>2</sub>– sc and FRAP.

## **Optimization of**

# Online Library Optimization Of Extraction **extraction**

## **parameters of antioxidant ...**

Optimization of extraction yield (EY)  $R^2$  for the regression equation of EY was 0.887 with a significance of less than 5 % calculated (Table 4). The predicted peak point led to the highest yield of 10.33 % with corresponding independent parameters being X 1

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of 58.87 °C, X 2 of 7.53 h, X 3 of 32.31 % and X 4 of 1:17.65 (Table 5).

## **Optimization of extraction parameters of PTP1 $\beta$ (protein ...**

Optimization of  
extraction parameters  
for quantification of  
fermentation volatile  
by - products in  
industrial ethanol with  
solid - phase  
microextraction and  
gas chromatography .

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Abstract : The rapid growth of the biofuels industry resulted in new research needs in chemical analysis.  
Methods

## **Optimization of extraction parameters for quantification ...**

Optimization of extraction parameters on the antioxidant properties of banana waste

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## **(PDF) Optimization of extraction Of parameters on the**

...

The optimization of extraction parameters for TPC and TAC from PCK, will provide information and we will give a foundation for the development and utilization of PCK resources by RSM.

Table 3 Experimental range and values of the independent variables in the central

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composite design for  
optimization of  
extraction conditions

**Optimization of  
extraction  
parameters of PTP1 $\beta$   
(protein ...**

Optimization of  
Extraction Parameters  
for Enhanced  
Production of  
Ovotransferrin from  
Egg White for  
Antimicrobial  
Applications Eyad M. A.  
Alshammari , 1 Saif

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Khan , 1 Arshad Jawed ,  
2 Mohd Adnan , 1  
Mahvish Khan , 1  
Gowher Nabi , 3  
Mohtashim Lohani , 4  
and Shafiul Haque 2 , 5

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Parameters for  
Enhanced ...**

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## **Optimization Of Extraction Parameters Of Phenolic**

The effects of extraction parameters, including temperature

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## Optimization Of

### Extraction

(25 - 80 °C), time (30 - 90 min), solvent to sample (S/S) ratio (10 - 50 mL g<sup>-1</sup>), initial pH (3 - 8) and ethanol concentration (20 - 100%), on the % 2,2-Di phenyl-1-picrylhydrazyl (DPPH) radical scavenging activity of kalumpit were screened and optimized using 2-level factorial design and Box-Behnken design (BBD) of experiments.

**OPTIMIZATION OF  
ANTIOXIDANT  
EXTRACTION FROM  
KALUMPIT ...**

Optimization of  
extraction parameters  
of PTP1 $\beta$  (protein  
tyrosine phosphatase  
1 $\beta$ ), inhibitory  
polyphenols, and  
anthocyanins from *Zea  
mays* L. using response  
surface methodology  
(RSM) BMC

Complement Altern  
Med. 2016 Aug

26;16(1):317, doi: 10.1

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(protein ...**

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## **Optimization Of Extraction Parameters Of Phenolic**

Optimization of antioxidant assay (2,2-dipheynl-1-picrylhydraz y (DPPH) scavenging assay), total phenol

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## Optimization Of

### Extraction

content (TPC), and total flavonoid content (TFC) from leaves of Capparis spinosa were investigated using response surface methodology (RSM). The conditions investigated were ethanol concentration (20-80 %, ethanol/water, v/v), extraction temperature (30-65 °C), and solvent to material ...

**Optimization of**

*Page 22/27*

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## **Extraction**

## **Parameters of Phenolic ...**

Results showed that the optimization of extracting total phenolic compounds (TPC) from *Cosmos caudatus* can be accomplished by employing ultrasonic frequency of 70 kHz, 2g dry sample/100mL ethanol and extraction time of 300 minutes with yield of 7.7395 mg GAE/g dw which is in

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close agreement with  
the predicted value  
(7.5359 mg GAE/g dw).

## **OPTIMIZATION OF EXTRACTION PARAMETERS OF TOTAL PHENOLIC ...**

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## **Optimization Of Extraction Parameters Of Phenolic**

The optimization method which combined RSM with

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desirability function was chosen to find the best extraction conditions. The optimal conditions for the highest yield of avenanthramides were a...

## **J. Braz. Chem. Soc. Article**

The aim of this study is to optimize extraction parameters of phenolic compounds from one variety of Algerian table grapes. The

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effect of different  
solvents: distilled  
water, acetone (20, 40,  
60 ...

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