

Antioxidant Activity And Physicochemical Properties Of

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Antioxidant Activity And Physicochemical Properties

The correlations between the physicochemical properties of organosolv lignins and their antioxidant activities were studied. The contents of phenolic hydroxyl groups, especially syringyl and guaiacyl, and double bonds

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in the C α position had positive effects on the antioxidant activity of the lignins.

Correlations of the physicochemical properties of ...

@article{Lee2020PhysicochemicalPA,
title={Physicochemical Properties and Antioxidant Activity of Yanggaeng Containing Hizikia fusiformis Powder},
author={Y. J. Lee and Kim Wonsuk and You-Jin Jeon and Yong-tae Kim},
journal={Korean Journal of Fisheries and Aquatic Sciences}, year={2020},
volume={53 ...

[PDF] Physicochemical Properties and Antioxidant Activity ...

Background: Phyllanthus amarus (P. amarus) has been used as a medicinal plant for the prevention and treatment of chronic ailments such as diabetes, hepatitis, and cancer. Methods: The physicochemical properties, antioxidant and cytotoxic activities of crude extracts and fractions from P. amarus were determined using spectrophotometric

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method. Results: The *P. amarus* methanol (PAM) extract had ...

Physicochemical Properties, Antioxidant and Cytotoxic ...

The results of physicochemical properties studies indicate that SSP contains more galacturonic acid, which may also result in greater SSP antioxidant activity than SCP. However, no significant correlation was observed between the total sugar content and activity in any of the tested antioxidant assays.

Physicochemical properties, antioxidant activity and ...

The antioxidant activities of polysaccharides are related to their electron- or hydrogen-donating capacities. The keto or aldehyde groups of polysaccharides are electrophilic groups; under acidic conditions, they can accelerate the release of hydrogen from O H bonds . Polysaccharides with higher uronic acid content generally

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show stronger antioxidant ability.

Extraction optimization, physicochemical properties and ...

The effects of hot air drying (HD), freeze-drying (FD), microwave drying (MWD), natural convective drying (NCD), and vacuum drying (VD) on the physicochemical, nutritional, and antioxidant properties of okra pods were investigated. Changes in the surface morphology, color, rehydration ratio, protein, pectin, ascorbic acid, and phenolics, as well as antioxidant activities of okra pods ...

Effect of drying methods on physicochemical properties and ...

physicochemical properties and antioxidant activity based on TPC, FRAP, ORAC and DPPH of Malaysian coconut milk. Results of the study showed that coconut milk samples exhibited a significantly different ($P < 0.05$) antioxidant activity in comparison of goat and cow's milk for all the assays

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Properties Of
except DPPH. Coconut's milk exhibited
the highest

Study of antioxidant activity and physicochemical ...

Changes in chemical composition,
physical properties and antioxidant
activities of Kapi were monitored during
fermentation for 12 months. DPPH (2,
2-diphenyl-1-picryl hydrazyl), ABTS (2, 2
- azino-bis
(3-ethylbenzothiazoline-6-sulfonic acid))
radical scavenging activity as well as
ferric reducing antioxidant power (FRAP)
gradually increased as the fermentation
time increased, particularly ...

Changes in antioxidant activities and physicochemical ...

Physicochemical Properties and
Antioxidant Activities of Luteolin-
Phospholipid Complex Keyong Xu 1,
Benguo Liu 2,* , Yuxiang Ma 3, Jiquan Du
2, Guanglei Li 2, Han Gao 2, Yuan Zhang
2 and Zhengxiang Ning 1 1 College of
Light Industry and Food Science, South

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China University of Technology,
Guangzhou

Physicochemical Properties and Antioxidant Activities of ...

The present study demonstrated the physicochemical properties and antioxidant activity of Gsp through examining sulfhydryl, disulfide bonds, amino acid composition, degree of hydrolysis, oil and water absorption capacity, emulsifiability, and foaming capacity, and assessing radical scavenging activity (DPPH, ABTS, \cdot , and \cdot OH), reducing power, and inhibition rate of lipid peroxidation. Additionally, the cytoprotective effect of Gsp on HL-7702 cells exposed in food injurant BaP was also ...

Physicochemical property, antioxidant activity, and ...

BG has recently been introduced to the Korean market as a product beneficial to health. To clarify how BG changes during the 35 day aging period, the

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physicochemical characteristics, antioxidant contents, and antioxidant activities were evaluated under controlled conditions of 70 °C and 90% relative humidity.

Physicochemical and antioxidant properties of black garlic

All samples displayed a statistically significant decrease ($p < .05$) in the antioxidant activity at the end of 8 weeks, which was indicative of the decreasing functional properties of the beverage. The physicochemical properties indicated increased acidity and turbidity, which might decrease consumer appeal of the fermented beverage.

Evaluation of physicochemical properties and antioxidant ...

The highest total phenolic content and antioxidant activity was found as 1069.05 $\mu\text{g/g}$ and 39.89% in chitosan film incorporated with LEO, respectively. In general, the physico-chemical

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properties of the films formed by adding LEO and LAE to the chitosan film solution were improved compared to the films obtained only from chitosan.

Effects of lemon essential oil and ethyl lauroyl arginate ...

carried out to study in detail the physicochemical, sensory, and antioxidant properties of Paochung tea infusion brewed in cold water. Therefore, the purpose of this study is to analyze the physical and chemical properties and antioxidant ability of cold brewing tea and to perform sensory quality analysis.

Physicochemical characteristics, sensory quality, and ...

LCNP-CE was formulated into white and milk chocolate in multilevel ratios (0-2% w/w). The results show that the fortification of milk and white chocolates by LCNP-CE significantly improved the total phenolic content and antioxidant activity of the chocolates without

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remarkable changes in the fineness and melting profile properties.

Physicochemical properties and antioxidant activities of ...

Study of antioxidant activity and physicochemical properties of coconut milk (Pati santan) in Malaysia. January 2015 Journal of Chemical and Pharmaceutical Research 7(4):967-973

(PDF) Study of antioxidant activity and physicochemical ...

The physicochemical properties of the complex... | Find, read and cite all the research you need on ResearchGate Article PDF Available Physicochemical Properties and Antioxidant Activities of ...

Physicochemical Properties and Antioxidant Activities of ...

The physicochemical, microbial, and antioxidant properties of a Korean wheat variety (Jokyoung) were measured according to milling yield (60–90%) by

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adding fractions from millstreams. As the milling yield increased, the wheat flour showed low quality on physicochemical properties in general. Significant differences in proximate analysis, color, solvent retention capacity, pasting property ...

Influence of Wheat Flour Milling Yield on Physicochemical ...

The obtained results indicated that antioxidant and antimicrobial activity was related to different methods of extraction and Roselle extracts could be a source of therapeutically useful products. Physicochemical properties and antimicrobial activity of Roselle (*Hibiscus sabdariffa* L.)

Physicochemical properties and antimicrobial activity of ...

To our knowledge, no systematic study has been published. The present study, therefore, was conducted to investigate the physicochemical properties and antioxidant activities of chitin and

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Properties Of

chitosan prepared from Vietnamese
shrimp waste. 2. Materials and Methods
2.1. Materials and Chemicals

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