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Bioactive compounds in different cocoa (Theobroma cacao) ...

Bioactive compounds in different cocoa (Theobroma cacao, L) cultivars during fermentation Jaqueline Fontes Moreau CRUZ1 in memoriam, Paula Bacelar LEITE1, Sergio Eduardo SDARES1*, Eliete da Silva BISPD1 a Received 28 Oct, 2014 Accepted 19 Mar, 2015 1Universidade Federal da Bahia - UFBA, Salvador, BA, Brasil *Corresponding author: ssoaressa@gmail.com Abstract Dne component that ...

Download Bioactive Compounds In Different Cocoa Theobroma Cacao

Download Bioactive Compounds In Different Cocoa Theobroma Cacao - another group of bioactive compounds also found in cocoa beans Bioactive compounds in different cocoa (Theobroma cacao, L) cultivars during fermentation Jaqueline Fontes Moreau CRUZ1 in memoriam, Paula Bacelar LEITE1, Sergio Eduardo SDARES1*, Eliete da Silva BISPD1 a Received 28 Oct, 2014 ...

Cocoa Bioactive Compounds: Significance and Potential for ...

Cocoa Bioactive Compounds: Significance and Potential for the Maintenance of Skin Health Giovanni Scapagnini 1,2,*, Sergio Davinelli 1,2, Phytochemicals' profile in cocoa beans varies for different cultivars and among cocoa beans and cocoa-containing foods However, cocoa is a rich source of polyphenolic compounds with a high amount of flavonoids, specifically flavanols, also known as **Health Benefits of Bioactive Compounds from Cocoa** ...

Health Benefits of Bioactive Compounds from Cocoa (Theobroma cacao) Shahanas E 1 *, Seeja T Panjikaran 2 , Aneena ER 3 , Sharon CL 4 , Remya PR 5 1018805/agR-1851

Bioactive Compounds In Different Cocoa Theobroma Cacao

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Theobroma cacao and Theobroma grandiflorum: Bioactive ...

grandiflorum: Bioactive Compounds and Associated Health Benefits Maria Inés Genovese and Helena Rudge de Moraes Barros Abstract The genus Theobroma comprises about 20 species, among them cocoa (Theobroma cacao L), with the highest economic importance, and cupuassu (T grandiflorum), of growing interest Chemical compositions of cocoa and cupuassu unprocessed fresh seeds, pulps, ...

COCOA BEAN SHELL A PROMISING BY-PRODUCT RICH IN ...

bioactive compounds in different industries like food, cosmetic or pharmaceuticals (Hernández-Hernández et al, 2018) Research on waste disposal in the way of finding new solutions for the use of different by-products would certainly reduce waste accumulation in a world that has become serious ecological and economical problem today CBS is a part of cocoa bean, which is separated from the **Cocoa Shell: A By-Product with Great Potential for Wide ...**

in different areas The cocoa shell, due to its nutritional value and high-value bioactive compounds, could become a desirable raw material in a large spectrum of functional, pharmaceutical, or cosmetic products, as well as in the production of energy or biofuels in the near future Keywords: cocoa shell; cocoa by-product; bioactive compounds; reuse 1 Introduction Food industry waste often

Food Research International - World Cocoa

Foundation

cocoa solids Among the tested cocoa products, the highest content of bioactive compounds (polyphenols and methylxanthines) was determined in extracts of cocoa products with the highest content of cocoa solids (cocoa liquor, cocoa powder and dark chocolate with 88% cocoa solids), while the lowest content was determined in milk chocolate and cocoa bar extracts The most abundant ...

Green extraction techniques of bioactive components from ...

Green extraction techniques of bioactive components from cocoa shell techniques can give extracts with various bioactive components in different concentrations Four green extraction techniques were used in this study: supercritical CO 2 extraction, ultrasound-assisted extraction, cold atmospheric plasma extraction and extraction using deep eutectic solvents Those modern techniques gave

Valorisation strategies for cocoa pod husk and its fractions

Cocoa pod husk (CPH) is the main by-product (ca 70-75% weight of whole fruit) of the cocoa harvest, an important and economic crop in developing countries It is a rich source of minerals (particularly potassium), fibre (including lignin, cel-lulose, hemicellulose and pectin) and antioxidants (eg phenolic acids) An existing practise is the return of CPH to soil with potential benefits

Potential for preventive effects of cocoa and cocoa ...

catechin, EC and dimeric procyanidins after the intake of different cocoa by-products by animals and humans (Lamuela-Raventós et al, 2005, Urpi-Sarda et al, 2009) In particular, monomeric flavonoids are absorbed in the small intestine and they and their metabolites (eg, methylated, sulfated, and glucuronidated compounds), which could also be bioactive, are rapidly detected in plasma at

Pulsed Electric Field Assisted Extraction of Bioactive ...

Pulsed Electric Field Assisted Extraction of Bioactive Compounds from Cocoa Bean Shell and Coffee Silverskin Letricia Barbosa-Pereira1 & Alessandro Guglielmetti1 & Giuseppe Zeppa1 Received: 30 June 2017 /Accepted: 12 December 2017 /Published online: 13 January 2018 # Springer Science+Business Media, LLC, part of Springer Nature 2018 Abstract The present study focused on the application

Bioactive Compounds in Natural Resources and the ...

Bioactive Compounds in Natural Resources and the Extraction Methods in Different Types of Solvents for Various Applications: A Review N F Sukor1,a, R Jusoh1*,b 1Faculty of Chemical and Natural Resources Engineering, Universiti Malaysia Pahang, 26300 Gambang, Kuantan, Pahang, Malaysia anuramirafateha@gmail.com, brohayu@umpedumy Keyword: Bioactive compounds, ...

Nutritional value and antioxidant capacity of "cocoa honey ...

sugars and bioactive compounds The residual material in the seeds, rich in carbohydrates, is a source of substrate for the development of micro-organisms responsible for fermentation, important in the formation of the aromas and flavours of the end product (Efraim et al, 2010; Ouattara et al, 2014) Due to the cocoa agribusiness crisis that hit Brazil, it has become increasingly necessary **A Cocoa Peptide Protects Caenorhabditis elegans from ...**

Background:Cocoa and cocoa-based products contain different compounds with cocoa-based properties for human health Polyphenols are the most frequently studied, and display antioxidant properties Moreover, protein content is a very interesting source of antioxidant bioactive peptides, which can be used therapeutically for the prevention of age-related diseases Methodology/Principal Findings:A

Nutritional composition, bioactive compounds and volatile ...

RESEARCH ARTICLE Nutritional composition, bioactive compounds and volatile profile of cocoa beans from different regions of Cameroon Giovanni Capriola, Dennis ...

Chem. Biochem. Eng. Q.33 (2) 271-280 (2019) High-Voltage ...

to recover some bioactive compounds from the cocoa bean shell Different extraction times (30, 60, 90 min), frequencies (40, 70, 100 Hz) and solvent-solid ratios (10, 30 and 50 mL g-1) were used to obtain cocoa bean shell extracts Desired bioactive compounds, methylxanthines and phenolic compounds were measured in obtained extracts by

IMPACT OF HIGH VOLTAGE ELECTRIC DISCHARGE TREATMENT ...

more, the impact of concentration (15 and 3% of cocoa shell in water), high-voltage electric discharge (HVED) treatment (40 and 80 Hz), and treatment time (15, 30, and 45 min, respectively) on bioactive compounds content was evaluated Statistically significant differences between treatment conditions were obtained Generally,

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