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Research Article

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Process optimization of extruded noodles from Cocoyam (*Colocasia Esculenta*) and Bambara groundnut (*Vigna Subterranea*) flour

Published On: November 30, 2022 | Pages: 286 - 292

Author(s): Bulus Daniel Sadiq* and Zokti James Alkali

A noodle is a thin, long strip of spaghetti or a similar flour paste consumed with a sauce or taken with warm water with sugar and milk added as desired. In this regard, a modified noodle was produced from cocoyam with Bambara ground nut added to enhance the nutritional composition of the noodle. Central Composite Design (CCD) using Response Surface Methodology (RSM) ...

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Quality attributes of gluten free fried products from defatted peanut flour and starches of selected tropical roots and tubers

Published On: October 03, 2022 | Pages: 265 - 272

Author(s): Adesina Adedeji R*, Kajihansa Olatundun E, Sobukola Olajide P and Ololade Zacchaeus S

The aim of this study was to develop and evaluate gluten free fried products from defatted peanut flour and starches of common tropical roots. The result of the analysis showed that moisture content ranged from 3.52% to 5.89%; fat content ranged from 11.22% to 13.84%; crude fibre content ranged from 5.54% to 7.50%; colour (lightness) ranged from 22.21% to 69.88%; colo ...

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Review Article

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Molecular Techniques for identification applied to food: A review

Published On: December 08, 2022 | Pages: 305 - 315

Author(s): Rafael Audino Zambelli* and Isabella Montenegro Brasil

This review aims to address the use of molecular techniques applied to the identification of food. The application of molecular techniques in food is large, several authors comment on the detection and quantification of strains of pathogenic microorganisms present in foods and the presence of toxins and waste allergens not related to specific goods in production lines ...

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Research progress of fully biodegradable and antimicrobial materials applied in personal protective equipment

Published On: December 07, 2022 | Pages: 293 - 304

Author(s): Jingqiu Feng#, Yiwen Zeng#, Zhe Li#, Gaoling Huang, Dong Liang, Enchi Zhou, Chunhong Zhang*, Dan Li* and Linfang Mo*

Due to the outbreak of COVID-19, a large number of disposable personal protective equipment (PPE) wastes were generated. It has caused great harm to the ecological environment, and even in the future may endanger human health. Therefore, it is of great significance to research biodegradable materials that can be used in the field of medical protective equipment. This ...

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Recent studies on Polyphenols: Extraction technologies and prospects

Published On: November 22, 2022 | Pages: 277 - 283

Author(s): Stefanos Leontopoulos*, Vasilios Chatzitheodorou and Prodromos Skenderidis

Polyphenols constitute a group of the most important bioactive compounds widely represented naturally in many plant species. Fresh plant tissues, plant residues, and agro-wastes contain consequent amounts of polyphenolic compounds. In recent years, there is a developing interest in utilizing these bioactive compounds for nutraceutical and pharmaceutical applications d ...

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Mini Review

Impact of Toxoplasmosis on domestic animal production and its significance in the risk of human infection in China

Published On: October 27, 2022 | Pages: 273 - 276

Author(s): Ru Wang, Minmin Wu, Peihao Wang, Jilong Shen and Jian Du*

Toxoplasma gondii is a ubiquitous zoonotic food-borne parasite [1]. Nearly one-third of the world's population has been exposed to the parasite, with prevalence ranging from ~10% to 50% depending on the geographical area. Human infection is usually asymptomatic in immunocompetent individuals and may remain for life, but in immunocompromised persons, the infection migh ...

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Case Study

A diversified study on pesticide spraying equipment for vineyards using drones

Published On: November 30, 2022 | Pages: 284 - 285

Author(s): Terenziano Raparelli and Gabriella Eula*

Some researcher groups in the Department of Mechanics and Aerospace Engineering (DIMEAS) Politecnico di Torino have an interesting experience with the applications of automatic systems in the agriculture fields [1-6]. ...

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