



In the field of communication

TRACING RICE AND VALORIZING SIDE STREAMS ALONG MEDITERRANEAN BLOCKCHAIN

28.10.2024



TRACE-RICE with Grant n° 1934 (call 2019, section 1 Agrofood) is part of the PRIMA Programme supported under Horizon 2020, the European Union's Framework Programme for Research and Innovation





Instituto Nacional de Investigação Agrária e Veterinária, I.P.



90 NEWS

TRACE-RACE WAS FEATURED DURING THE EUROPEAN RESEARCHERS' NIGHT



Published on 30/09/2024

Trace-Race was featured at the Science Museum in Parque das Nações, Lisbon, during the European Researchers' Night, a celebration of science across Europe. The event highlighted t...

TRACE-RICE COORDINATOR DELIVERED AN ORAL SESSION ABOUT THE LATEST RESULTS



Published on 27/07/2024

On July 24th and 25th, the TRACE-RICE project was presented at the "International Conference on Sustainable Foods - Achieving the Sustainable Development Goals" in Bragança, Portug...

TRACE-RICE HONORED WITH "BEST STUDENT POSTER COMMUNICATION AWARD"



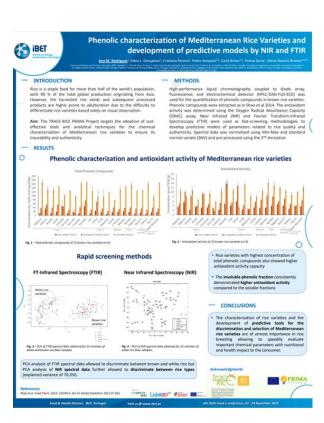
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At the "International Conference on Sustainable Foods - Achieving the Sustainable Development Goals" (https://icsf.morecolab.pt/), held in Bragança, Portugal, on July 24th and 25th...

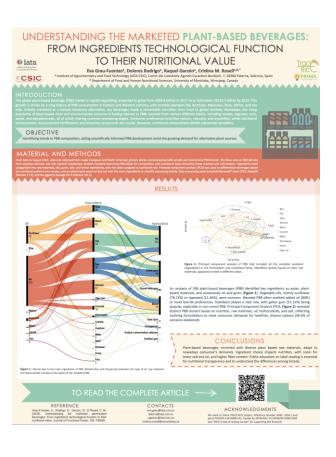


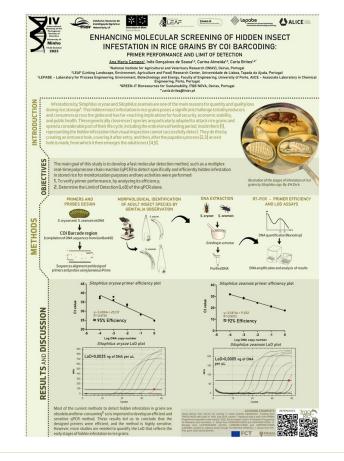


38 POSTERS













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Design thinking for food: Remote association as a creative tool in the context of the ideation of new rice-based meals

Ana Castanho^{a,b}, Manuela Guerra^e, Carla Brites^{b,d}, Jorge C. Oliveira^e, Luís M. Cunha * General Thomas 2009/Adaya, Disclotty of Sensors, Elistensity of Press, Fores, Persegal 2010/V. Festime Robinsol de Korningsile Aginite e Vinemains, Chriss, Persegal *2027F2-02787. Erende Steelweiser e Drawen Mentel, Eserel, Rowig *2027F2-02787. Erende Steelweiser e Drawen Mentel, Eserel, Persegal *2027F2-02787. Erende Steelweiser e Drawen Mentel *2027F2-02787. Erende Steelweiser e Drawen Mentel *2027F2-02787. Erende Steelweiser e Drawen Mentel *2027F2-02787.

AETICLE INFO	ABSTRACT	
Egymerde Alternative sam task Genuiv(t) Iden generation Design thistolog Persons associates task Rice-based products	Portugal is the present framework in construction. This, incorporating which for and rise has in insurance resets products to industring Ar superstantial strated based in the controls paracticiant theory are applied. A parag- et size madown performed angle humaneous gives give presence endps Marcelland Berger, Babeling appreck, a group of size due due serviced a stimular to grouper strends when high processing the Endps (1) and (1) and structures for a group of 1 and other size generative parameters when itself to be rearries, working an a structure for a group of 1 and other size generative parameters when itself to be rearries, working and structures of the size of the structure of the size more rearrier states may many applied right.	

 Introduction Rice (Oryna statise L.) is the staple field of most of marikind, with a World per capits consumption of albout 80.6 kg/year. The Baropean aware value of consumption in more model, uplot 6.78g//right/year. 	2001). However, it was at first, a part of the designers' activity discussed by design theories and mainly focused on what is design and how design is a duciple that uses different types of cognitive processes to think about if-defined problems (Com, 1992; Linuxen, 2009; Rittel and Webber, 1072; Linuxen, 1990; D. at a method has been
registered between 2015 and 2019. Within this region, Portugal has the	used in different ways, regarding the number of intrative process steps
highest consumption, with a per capital average of about 16.1 kg/yeer	and their terminology (Waidekier et al., 2018); according to Mahelu
(VAO, 2019). The importance of rice in Portuguese gatterionory can be	et al. (2019); the most employed methods are the coses from DRO
perceived ant only by the consumption data, but also by analysing rice	(Impiration, Iontico, Implementation), Stanford d.school (Empotitue,
preparations. Wide, comprise many rice-based dobes (Vistor et al.,	Define, Ioleane, Prototype and Tox1) and IBM (Understand, Explore,
2021), Such dabes spon from plain white rise to more elaboratir rice	Prototype, Ioshiate).
disks, prosented as a <i>ide</i> dab to even as a main course, and incorpo-	Although the DT approach has been applied hexadly, its say in food
rating vegetables, legames, fish, shellish or all types of metat (goultry,	Innovation is scarce (Sime, 2013). Front (2019), reported the positive
lamb, pack or beed) (Caboler at al. 2022).	role of rejed postcyping in a factor of the scarce where derk and sci-
Despite the besnells of whole rice (Catasthore et al., 2019), traditional	entists worked together. Derler et al. (2020) integrated applied a DT
rice preparations are made with milled rice kernels, with the remaining	methodology in a project based learning experiment with students to
rice bran being incorporated into animal feed (Eus et al., 2013). How-	create food products hased on consumers' meeds.
ever, rice beam is known to promote several handth benefts (Simdara-	The brainsmeaning scheduge was first introduced by Onloan (1983).
agoud et al., 2015; Burnoungert et al., 2015; Wang et al., 2017;	who described it as a team exercise performed in two phases:
Francisport et al., 2017; Innois et al., 2017; Innois et al., 2017;	free-wheeling (idox generation), and discussion (idea integration).
Design Thinking (DT) can be considered a transductiplinary and user-	When describing the IDEO draign methodology, <i>Kelley</i> (2001) empha-
centred method directed at innovation, at popularized by IBED and	sises the brainstorming technique as the key to idea generation and
Stanford dathod (Brows, 2005; Danar and Martin, 2005; Bioley)	creating a list of rules to get the "perfect brainstem".

* Corresponding author. E-mail address: Inconhail/is.up.pt (L.M. Canha).

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A GERMINAÇÃO E A FERMENTAÇÃO DO ARROZ PARA AUMENTAR

Cristiana Pereira¹³, Ana Castanho¹³, Manuela Lageiro^{13A}, Carla Brites¹³ Instituto Nacional de Investigação Agrária e Veterinária

O SEU VALOR NUTRICIONAL

nutricional e a utilização do arroz.

Os processos de germinação e fermentação estão a ser estudados para aumentar a concentração de compostos bioativos (y-orizanol e ácido y-aminobutírico) e potenciar o valor

Genterter. ¹ Green-IT Bioresources for Sustainability, ITOB NOVA Grand

78 VEA PURAL julie/spono 2023

O foods

23 ARTICLES

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Relationship between Physicochemical and Cooking Ouality Parameters with Estimated Glycaemic Index of Rice Varieties

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1999 Helphan, serving mipulicito i Capitalio Centrada nan Penecas, BiolfG—Biomedical Benerach Group, Laudona Univ ampo Gandae, 276, 1796-1991 Jakoa, Pentagai Mittalio el Agnediensi yan E load Fondulogi (IATA-CSIC), 46980 Pateras, Spain mad and Human Nontitivasi Department, Evivensity of Manikola, Vinningen, BH 2201 2246, Canada REVENT Bioescoccers of solatatability (IRQ 80/03), eds. By Department, Pentagai

Abstract: Rice is a significant staple food in the basic diet of the global population that is considered to have a high glycaemic index. The study of the physical and chemical parameters in rice that are related to the starch digestion process, which allows us to quickly predict the glycaemic index of varieties, is a major challenge, particularly in the classification and selection process. In this context, and with the goal of establishing a relationship between physicochemical properties and starch digestibility rates, thus shedding light on the connections between quality indicators and their glycaemic impact, we evaluated various commercial rice types based on their basic chemical composition, physicochemical properties, cooking parameters, and the correlations with digestibility rates. The resistant starch, the gelatinization temperature and the retrogradation (setback) emerge as potent predictors of rice starch digestibility and estimated glycaemic index, exhibiting robust

as potent protoness on the same upgenerative and estimates gradient models, extending bottom correlations of r = -0.00, r = -0.00, a = -0.00, r = -0.00, R.; Rosell, C.M.; Brites, C. Relat between Physicochemical and Estimated Glycaemic Index of Rice Varieties. Feals 2024, 13, 135. https:// grain integrity during cooking, setting it apart from other rice varieties. doi.org/10.3390/6aads13010135

Keywords: rice commercial types; physicochemical parameters; cooking parameters; glycaemic inde-

1. Introduction

Rice holds a significant position among cereal crops, serving as a crucial energy source Fatterna di Nuome null' Rechelda a significant position among coreal corps, serving as a crucial energy source programe. Il 28 No manuella di constructione della significanta positione della significanta positione della significanta positione della tella impact en companye proferences, acceptance and benergy device della significanta positione della tella positica anni/oce correctiones proferences acceptance positiones della significanta positica della significanta positica della disconse della significanta matterna di eccusione companye andi esta positica anni/oce correctiones professiones della significanta matterna di eccusione companye andi esta positica anni/oce correctiones professiones della disconse di esta matterna di eccusione companye andi esta positica di antivisto esta disconse della disconse di esta matterna di eccusione companye andi esta quality or free is directiva differe contenti, and i interiori esta correganatare allo disconse di esta considera contexpilica di antiversi della disconse della disconse di esta contenue accessione accessione accessione accessione accessione accessiones accessiones accessiones accessiones della disconse accessiones accessiones

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