



Natural products application: Health, Cosmetic and Food

Provided by nature, adapted scientifically for industry



Book of abstracts
1st International Online Conference
4th - 5th February 2021

Title

1st Natural products application: Health, Cosmetic and Food: book of abstracts

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Morning - 5 February

Cosmetic

Oral Presentations (10:30 - 11:30)

Anna Szemik-Hojniak

Biomimetic short peptides in medicine and cosmetology

Celso Afonso Ferraz

Contributions towards the ecotoxicological evaluation of plant extracts and essential oils

Javier Echave Álvarez

Fatty acid comp., antioxidant and antibacterial act. of ethanolic PLE extracts of 4 macroalgae species from Galicia

Paula Plasencia

Bioactive properties of different extracts obtained from the aerial parts of blueberry and raspberry raw materials

Sara Gonçalves

Evaluation of cosmetic properties of natural ingredients in the Trás-os-montes area: a PhD project

Silena Silva Delgado Alves

Humulus lupulus L.: cosmetic application of extracts obtained from cones and vegetative parts

Pitch Presentations (11:40 - 12:00)

Ana Costa

From garbage to glamour: assessing the organoleptic prop. of formulations containing lycopene-enriched extracts from tomato waste

Ana Rita Silva

Optimization of a tannin-rich extract using response surface methodology

Bruno Melgar Castañeda

Time dependency on bioactive compounds UAE extractions

Diana Andreia Tavares Pinto

Castanea sativa shells: from an undervalued agro-residue to a valuable raw material for cosmetic industry

Maria Aurora Soares da Silva

Bioactive properties of six macro-alga from the iberic peninsula sea

Patrycja Brudzyńska

Application of plant-derived colorants in cosmetic products

PCC-13: BIOACTIVITY OF PLANT EXTRACTS: ASSESSMENT OF CYTOTOXICITY, ANTIMICROBIAL AND ANTI-OXIDANT ACTIVITIES	
Joana Rolo	265
PCC-14: IN SILICO STUDY OF A LIBRARY OF FLAVONOIDS AS POTENTIAL COLLAGENASE INHIBITORS	
José Pedro Lemos Pinheiral	266
PCC-15: FILM-FORMING PROPERTIES OF FISH COLLAGEN IN THE PRESENCE OF PLANT EXTRACTS	
Katarzyna Adamiak	267
PCC-16: ELASTASE AND ITS POTENTIAL AS TARGET PROTEIN FOR BIOACTIVE COMPOUNDS	
Luis Carlos Machado Sampaio	268
PCC-17: ASSESSMENT OF COSMECEUTICAL POTENTIAL OF AGARICUS BRASILIENSIS MUSHROOM: ANTIOXIDANT AND ANTI-TYROSINASE ACTIVITY	
Maja Kozarski	269
PCC-18: CONSUMERS BEHAVIOR AND PERCEPTIONS REGARDING NATURAL COSMETIC PRODUCTS	
Maria João Sousa	270
PCC-19: PRODUCTION AND IN VIVO SKIN HYDRATION EVALUATION OF A COSMECEUTICAL CONTAINING OPUNTIA FICUS-INDICA (L.) MILL CLADODES HYDROALCOHOLIC EXTRACT	
Marta Cunha	271
PCC-20: APPLICATION OF CHITOSAN AND CHITOSAN DERIVATIVES IN COSMETICS	
Marta Szulc	272
PCC-21: STABILITY OF NANODISPERSIONS CONTAINING MYRCIARIA AULIFLORA MART. EXTRACT FOR SKIN LIGHTENING PRODUCTS APPLICATION	
Nathalia Olivia de Sousa Garcia	273
PCC-22: USERS SELF-ASSESSMENT OF A DAILY MOISTURIZING OF THE SKIN, WITH NATURAL INGREDIENTS	
Sarra Jelidi	274
PCC-23: THE ANTIMICROBIAL EFFECTS OF THE COMMERCIAL LAVENDER AND INCENSE ESSENTIAL OILS AND EXTRACTS AS AN ECOFRIENDLY COSMETICS PRESERVATIVES	
Szymon Frajk	275
PCC-24: UTILIZATION OF BEE PRODUCTS AND TRÁS-OS-MONTES AROMATIC PLANTS ON THE DEVELOPMENT OF COSMETIC FORMULATIONS.	
Sarra Jelidi	276

PCC-18

CONSUMERS BEHAVIOR AND PERCEPTIONS REGARDING NATURAL COSMETIC PRODUCTS

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In the last decades, the increasing concerns related with sustainability and the emergence of ethical concerns related to the production and consumption of cosmetics, as well as, the verification of the adverse effects of chemical additives present in cosmetics for human health and the environment, have driven the growth of green cosmetics. Natural substances, derived from plants, animals or other organisms are increasingly popular as ingredients in cosmetics for being considered by consumers as safety alternatives to synthetic cosmetics. This work aims to analyze the habits and perceptions of consumers regarding natural cosmetic products. A cross-sectional study was carried out based on a sample of 222 individuals' ages between 18 and 74 years old. Respondents were mainly female (75%), young urban adults, employed, with higher education. Most of the respondents use cosmetics daily, and considers them important (48%) or essential (34%), particularly the hygiene and skin care products. The median amount of monthly spend on cosmetic products are of 20 €. Super and hypermarkets (34.5%), and pharmacies and parapharmacies (31%) are the most relevant places for buying cosmetic products although the internet (8%) and catalogues sales (7%) are also significant. The importance of internet is also present as source of information about the products (40%), seconded by beauty professionals (27%). The great majority of the respondents uses natural cosmetic products, although not often organic ones. Despite the respondents' considerable familiarity with natural cosmetic products, results display some misconceptions about these products still present in consumers' minds (Figure 1).

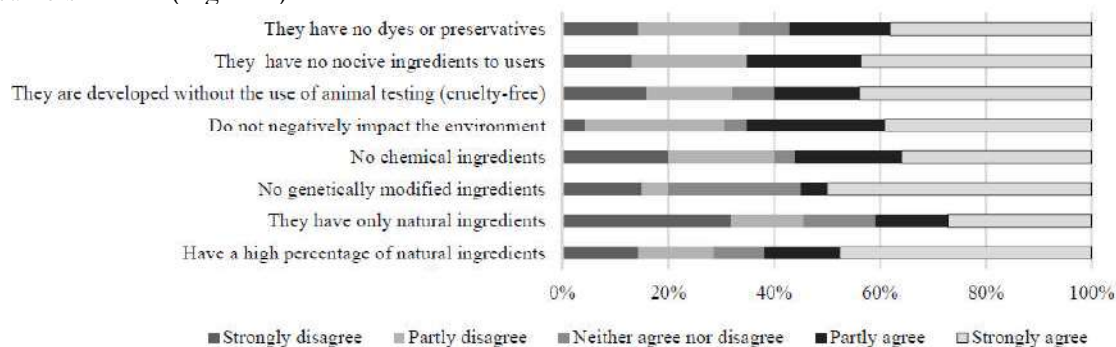


Figure 1: Perceptions of respondents about natural cosmetic products attributes

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