	lay 22 Santambar 2010
	lay 23 September 2019
	Registration   Foyer, Level 1 Exhibition   Foyer, Level 1
	Opening Ceremony
	Meeting Room 105 & 106, Level 1 Plenary Session
Room	Meeting Room 105 & 106, Level 1
	Morning Tea   Foyer, Level 1 Concurrent Sessions
1100-1230	Concurrent 1F
Session	Short oral 1
Room	Advances in food process engineering  Meeting Room 101, Level 1
Chair	George Chen
	Effect of pre-heat treatment of skim milk on reverse osmosis membrane filtration performance and storage stability of concentrated milks  Morten Vormsborg Christiansen
	Physical, textural, and microstructural properties of extruded puffed products affected by inclusion of high biological value proteins
	Ingrid Contardo  Megasonic-assisted aqueous extraction of canola oil from canola cake
	Fouad Gaber
	Screening of mixed surfactants based reverse micellar system for Lactoperoxidase extraction from whey  Shwetha Karanth
	Novel natural emulsifiers derived from biomass-based by-products: case of argan (Argania spinosa) nut shell powder
	Mitsutoshi Nakajima The formation and stability of carbon dioxide nanobubbles designed for potential applications in food processing
	Khanh Kim Thi Phan
	ElectroHydroDynamic enhancement of heat and mass transfer in food process: a review  Olivier Rouaud
	Impact of pH and ionic strength on temperature dependent diffusion of micellar bound casein monomers into the serum phase during microfiltration  Simon Schiffer
	On the length-dependent milk protein deposit layer in hollow fiber membranes
	Roland Schopf Increased inactivation of bacterial endospores by ohmic heating
	Felix Schottroff
	Technical-scale extraction of bovine αS-, β- and κ-casein using decanter technology Thomas Schubert
	Influence of food microstructure on thermal inactivation dynamics of Listeria monocytogenes in the SHAKA reciprocal agitated retort
	Jan Van Impe Production of dried apple snacks incorporated with Bacillus coagulans
	Fabiano Fernandes
	The science of making mayonnaise on an industrial scale Fredrik Innings
	High-pressure nitrogen injection prior to spray drying improves the solubility of milk protein concentrate powders
	Noel McCarthy  Effects of salt and lipids on heating parameters for the achievement of sterility in a microwave food processing system
1220 1215	Roger Stanley
1345-1515	Lunch   Foyer, Level 1 Concurrent Sessions
1345-1515	Concurrent Sessions Concurrent 2F
Session	Concurrent Sessions Concurrent 2F Short oral 2
Session Room	Concurrent Sessions Concurrent 2F Short oral 2 Engineering properties of food and packaging Meeting Room 101, Level 1
Session Room	Concurrent Sessions Concurrent 2F Short oral 2 Engineering properties of food and packaging Meeting Room 101, Level 1 Antonio Derossi
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Session	Concurrent Sessions  Concurrent 2F  Short oral 2  Engineering properties of food and packaging  Meeting Room 101, Level 1  Antonio Derossi  Characterising the textural properties of beef boluses using instrumental techniques through oral processing  Esther Onguta  Dielectric properties of mango pulp (Mangifera indica L.) and mango nectar for microwave heating at 915 and 2450 MHz  Tiago Augusto Bulhões Bezerra Cavalcante  Confined compression as an analytical tool to quantify juice release kinetics from meat and meat analogues
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Session	Concurrent 2F Short oral 2 Ingineering properties of food and packaging Meeting Room 101, Level 1 Antonio Derossi Characterising the textural properties of beef boluses using instrumental techniques through oral processing Esther Onguta Dielectric properties of mango pulp (Mangifera indica L.) and mango nectar for microwave heating at 915 and 2450 MHz Tiago Augusto Bulhões Bezerra Cavalcante Confined compression as an analytical tool to quantify juice release kinetics from meat and meat analogues Steven Cornet New insight on the use of statistical correlation functions to describe structural complexity of food and to estimate their essential properties Antonio Derossi Effect of fat globule size on whippability of dairy creams Pramesh Dhungana Production of functionalized low viscosity gelatin: thermo-mechanical and rheological properties Javier Enrione A new route to develop renewable non-isocyanate polyurethanes for food packaging applications Mehran Ghasemlou The fluid mechanics of mayonnaise mixers - the effect of stator slot width Fredrik Innings Effect of native fat globule size on foaming properties of milk Minh Thao Ho Vibrations as a cause of texture defects during yogurt manufacturing Adrian Közzendőrfer Analysis of vertical compression of corrugated fiberboard tubes using digital image correlation
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Tuesd	ay 24 September 2019
	Registration   Foyer, Level 1
0830-1700	Exhibition   Foyer, Level 1
	Plenary Session Meeting Room 105 & 106, Level 1
1015-1050	Morning Tea   Foyer, Level 1
1050-1220	Concurrent Sessions Concurrent 4F
Session	Short oral 3
	Food engineering for nutrition and health  Meeting Room 101, Level 1
	Zamantha Escobedo-Avellaneda
	Cell disruption improves in vitro bioaccessibility of ω3-LC-PUFA and carotenoids in the microalga nannochloropsis  Tom Bernaerts
	Liposome based delivery of α-linolenic acid and α-lipoic acid through food system
	Jeyan Moses  Hydration kinetics and nutrient loss with increased temperature for two popular seed bean (phaseolus vulgaris) varieties
	Lavaraj Devkota
	Role of bacterial cellulose fibrils on the retrogradation of starches with different amylose content  Javier Enrione
	Engineering plan protein-based yoghurt products for nutrition and health
	Stephan Drusch Systematic study on the extraction of phycoerythrin from Gracilaria gracilis for natural food colorants
	Maria Manuel Gil
	From food to medicine: use of functionalized polyclonal antibodies from cow's milk for the treatment of bacterial infections  Hans-Jürgen Heidebrecht
	Effects of the degree maturity and the drying process on the composition of the aroma components in Japanese pepper (Zanthoxylum piperitum DC)
	Moegi Horibe Beer and beer-based beverage containing lignans
	Milan Houska
	Seaweed and sweet potato: key ingredients for promoting a healthier diet in processed foods  Susana Mendes
	Effect of xanthan gum on rheological property and bioaccessibility of β-carotene loaded filled hydrogel
	Shinjae Park Obtaining and characterization of mango peel powder, as a functional ingredient and dual additive added in natural yogurt
	Maria Fernanda Redondo Julio
	In vitro fecal fermentation of high pressure processed fruit peels dietary fibers  Viridiana Tejada-Ortigoza
	Protein digestibility of Arthrospira maxima evaluated in a dynamic simulated human digestion model
	Nicolás Troncoso-León  Hypoallergenic and low protein ready-to-feed (RTF) infant formula by high pressure pasteurization: A novel product
	Md Abdul Wazed
	Development of functional powders for improved digestion of dairy products  Qianyu Ye
	Extrusion processing modifies the microstructure and in vitro digestibility of broken rice
1220-1335	Wenhan Yang Lunch   Level 1, Foyer
1335-1505	Concurrent Sessions
	Concurrent SF Short oral 4
Session	Food process systems engineering and modelling
	Meeting Room 101, Level 1 Serafim Bakalis
	Selection and breakage functions of foods during human mastication
	Muhammad How Integrating text mining and network analysis for ethnomedicinal profile of Bambara groundnut in Mpumalanga province, South Africa
	Victoria Jideani
	Techno-economic analysis of the enzymatic production of dairy oligosaccharides for nutritional supplements  Masih Karimi Alavijeh
	Modeling and simulation of temperature and lethality distributions in a unit for continuous flow pasteurization of mango puree
	Tamires Kawahara Oishi Reduced order phase-field models for crystallisation
	Estefania Lopez-Quiroga
	A framework for multi-objective optimization of small-scale food processes  Martial Madoumier
	An overview of thermal inactivation kinetic parameters determination
	Nikolaos Stoforos  Calculation of thermodynamic activities of components of concentrated milk and honey
	Ken Morison
	A Finite Element Modelling (FEM) and ultra-fast X-Ray tomography study of soft cereal foods damage during chewing  Guy Della Valle
	Modeling of phenolic acid diffusion in rice kernels during boiling in spearmint aqueous extracts of various concentrations
	Vaios Karathanos  A new fractional differential model for anomalous heat and mass transfer during food drying
	Azharul Karim
	Modeling of fluid flow, starch digestion, and glucose absorption in the human small intestine  Mukund Karwe
	Modelling trade-offs in nutrition-sensitive processing of common beans
	Michael Ngadi  Mathematical modeling of momentum transfer for effect of mixing in screw-drive systems
	Fabrizio Sarghini
	Modelling the effect of surface washing treatment on inactivation of spoilage bacteria and shelf life extension of fresh fish  Petros Taoukis
	3D simulation of oxidation reactions in real deep-fryers: interactions with anisothermal oil flow and design
	Olivier Vitrac  Mathematical modeling of thawing in a staggered through-field electrode radio frequency system: a case study for frozen tuna for process efficiency
	Ferruh Erdogdu

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ICEF13 Short Oral Program

1505-1535	Afternoon Tea   Foyer, Level 1
1535-1705	Concurrent Sessions
	Concurrent 6F
Session	Short oral 5
Session	Novel food processing technologies
	Meeting Room 101, Level 1
	Cristina Silva
	Kinetic modelling on colour development during frying of pulsed electric fields (PEF) pre-treated potatoes
	Setya Budi Muhammad Abduh
	Enhancing clean-in-place efficiency through microbubble pre-rinsing
	Monique Mi Song Chung
	Butylparaben improves the thermal inactivation rate of Escherichia coli 0157:H7 in low-moisture foods
	Rohan Tikekar
	Sweet potato starch as a structural enhancer for 3D printing of surimi
	Xiuping Dong
	New potential of using pulsed electric fields to modify the thermal properties of flour fractions of oat
	Sheba Mae Duque
	How barrier discharge plasma affects ochratoxin a production of Aspergillus niger or Penicillium verrucosum on barley
	Julia Durek
	Feasibility of using pulsed electric fields as a pretreatment technique during edible films development
l .	Stephen Giteru
	Enhancement of anti-inflammatory and antioxidant activities of prickly pear fruits by high pressure applications: a phytochemical approach
	Andrea Gómez Maqueo
	Concentration-induced sodium alginate gel inhibits retrogradation of rice starch by in situ immobilization of starch molecular state
	Qinlu lin
	Effect of starch modification in the whole white rice grains on physicochemical properties of two contrasting rice varieties
	Malik Adil Nawaz
	Enhancement of light utilization efficiency and vegetable seedling production on indoor farming racks using novel adjustable reflector
	Junhui Huang
	Study of continuous cake pre-baking in a rectangular channel using ohmic heating  Olivier Rouaud
	High pressure assisted gelation of potato proteins: Mechanism of gelation, rheological and functional properties  Avi Shpigelman
	Transcriptomic analysis reveals key genes related to antioxidant mechanisms of pitaya quality improving by trypsin during storage  Xin Li
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Wedn	esday 25 September 2019
	Registration   Foyer, Level 1
	Exhibition   Foyer, Level 1
	Plenary Session
Room	Meeting Room 105 & 106, Level 1
1020-1055	Morning Tea   Foyer, Level 1
1055-1225	Concurrent Sessions
	Concurrent 7F
Sassion	Short oral 6 Novel food processing technologies
Room	Meeting Room 101, Level 1
	Antje Frohling
	Fingerprinting as a tool to assess merlot wines produced from PEF treated grapes  Biniam Kebede
	Synergistic low intensity non-thermal food processing for enhanced microbial inactivation  Nitin Nitin
	The application of pulsed electric fields (PEF) in volatile acidity control during wine making substitute for sulfur dioxide (SO2) addition  Xin-An Zeng
	The investigation of electro tolerance development of escherichia coli by RFEF in saline water  Adel Rezaeimotlagh
	The synergistic effect of combining low and high radio frequency electric fields on microbial inactivation of Escherichia coli in saline water  Adel Rezaeimotlagh
	Electric heating- assisted extraction of biocompounds from seaweeds  Cristina Rocha Vicente
	Continuous pulsed electric field decontamination of liquid whey protein formulations - influence of process parameters and media properties on inactivation efficiency Felix Schottroff
	Energy requirements of equivalent HPP, PEF, ultrasound and thermal pasteurization processes Filipa Silva
	Electromagnetic fields assisted blanching - effect on the dielectric and physicochemical properties of cabbage Yuchuan Wang
	Understanding the mechanical performance of raw and cooked potato cells for the design of biomimetics  loanna Zafeiri
	Pepper seed oil extraction by pressure-assisted, ultrasound-assisted and conventional solvent methods Liang Zhao
	High pressure processing improves quality and storage stability of sodium-reduced chicken sausages  Ying Zhou
	High pressure processing applications in food industry and immunology - overview  Milan Houska
	Pulsed-UV light treatment for inactivation of Salmonella on black peppercorn  Yen-Con Hung
	High hydrodynamic pressure generated with electricity and detonation tenderises various beef, chicken and pork, but not turkey muscles  Robyn Warner

1225-1340	Lunch   Level 1, Foyer
	Concurrent Sessions
	Concurrent 8F
Session	Short oral 7
	Food engineering properties, nutrition and packaging
	Meeting Room 101, Level 1
Chair	Avi Shpigelman
	A novel mechanistic understanding for the stabilization of emulsions and foams by native or aggregated whey proteins  Franziska Kurz
	The use of rutin hydrate pickering particles to combat lipid oxidation in food emulsions
	John Noon
	Protein concentration and protein-hydrocolloid interactions on the tribo-rheometry behaviour of resulting protein solutions
	Sangeeta Prakash
	Airflow resistance characteristics of sliced sweet potato for CFD modeling of a novel solar-driven drier in Ethiopia
	Petros Tegenaw
	Production of concentrated brewer spent yeast protein hydrolysate with a low content of RNA  Gabriela Vollet Marson
	Milk protein fractionation by crossflow microfiltration – how low-frequency pulsation can ease the fouling dilemma
	Maria Weinberger
	Cleaning walls by intermittent impinging jets
	David Ian Wilson
	Dynamic gauging for studying rapidly swelling or shrinking layers  Georgina Cuckston
	Inspection of semi-solid food products for the presence of fungal contaminants using hyperspectral imaging
	Sholeem Griffin
	Effect of Surfactants and Oil-in-Water Emulsions on Reverse Osmosis Membrane Performance
	Aymen Halleb
	Shifting food engineering to food-packaging engineering
	Olivier Vitrac
	Analysis of physical and chemical digestion of starch-containing hydrogels using an in vitro gastrointestinal method  Zaitian Wang
	Camel milk fouling and its comparison with bovine milk
	Yizhe Zhang
	Crystallization of glucose in model honey
	Ken Morison
	Hardness and Syneresis of Alginate-protein Composite Gels
	Tezar Ramdhan
	Manipulation of water droplet size in structuring novel water-in-oleogel system  Tuyen Truong
	Phase behaviour of Bambara groundnut starch-soluble dietary fibre nanocomposite
	Yvonne Maphosa
	Yvonne Maphosa  Development and implementation of antimicrobial food packaging material using nisin-based coating produced on commercial equipment
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