16th Food Colloids Conference

Structuring beyond the Colloidal Scale

Program Booklet



April 10th – 13th Wageningen The Netherlands





Welcome words from the organizing committee

Welcome to the 16th Edition of the Food Colloids Conference. The conference focusses on physical chemistry of complex food systems with a special emphasis on macromolecules that structure food. The first edition was held in the UK, and is a bi-annual conference that takes place within Europe. Although the conference is held in Europe, the participants come from all over the world.

The 16th edition called "structuring beyond the colloidal scale" discusses topics on developing new structures, both in bulk and on interfaces, the analysis of structures at different length scales, various aspects in multicomponent systems, and the role of specific microstructure during oral processing and digestion.

The program consists of 5 key-note speakers, 44 selected oral presentations, and roughly 100 poster presentations. Due to the high level of abstracts we received, we expect an excellent program, which we believe will lead to many fruitful discussions. We would like to thank our sponsors for their support.

On behalf of the whole organizing committee, we wish you an exciting and inspiring conference with fruitful discussions.

The organizing committee,

Elke Scholten, Assistant Professor Physics and Physical Chemistry of Foods, Wageningen University Anneke Martin, Senior Scientist Functional Ingredients, TNO, Zeist Claire Berton-Carabin, Assistant Professor Food Process Engineering, Wageningen University



Oral presentations

Monday, April 11th:

Engineered Interfaces

Physical Aspects of Oral Processing

Tuesday, April 12th:

Biopolymer Assembly

Revealing Structure from Micro to Macro

Wednesday, April 13th:

Functionality of Multicomponent Systems

Oral presentations have a duration of 20 minutes including questions. All oral presenters are requested to bring their presentation file (on a USB stick) prior to the start of their session, preferably in the break before their session starts. The presenters of the first session can also upload their presentation on Sunday, April 10th during registration hours.

All presenters are required to keep their presentation within the timeframe of 20 minutes. In case the duration of the presentation exceeds this time, the chair may interrupt your presentation to keep to the time schedule.

Poster presentations

The posters will be presented in two separate poster sessions:

Session I	Engineered Interfaces
Monday, April 11 th , 17:30-19:00	Revealing Structure from Micro to Macro
	Physical Aspects of Oral processing
Session II	Biopolymer Assembly
Wednesday, April 13 th , 11:50-13:20	Functionality of multicomponent systems

Presenters of posters in session I are requested to put up their posters during the coffee or lunch break prior to the poster session, and are requested to remove their posters before Tuesday lunch time. Presenters of posters in Session II are requested to put up their posters after lunch time on Tuesday, April 12th, or Wednesday morning before the poster session starts. The poster abstracts can be downloaded from the Food Colloids website.

Social events

Welcome dinner, Sunday, April 10th

The welcome dinner will take place at the conference venue the "Wageningsche berg" and starts at 19.00. Dinner and drinks will be served until 23:00.

Gala dinner, Monday, April 11th

The gala dinner will take place at the conference venue the "Wageningsche berg" and starts at 19:30. After the dinner, the bar and dancefloor will be open from 22:00 until 01:00.

Social program, Tuesday, April 12th

As a social activity, we will visit national park the "Hoge Veluwe". When we arrive, you can choose between two options:

- Guided tour through the museum "Kröller-Müller".
- Bike ride through the national park.

We gather at 18:45 at the museum to walk to the restaurant "Parkrestaurant de Hoge Veluwe". Here, dinner including drinks are served.



Special Issue

Participants of the Food Colloids conference are invited to submit full manuscripts for consideration through a peer review process in the journal Food Structure. **Food Structure** is the premier international forum devoted to the publication of high-quality original research on food structure. The focus of this journal is on food structure in the context of its relationship with molecular composition, processing and macroscopic properties (e.g., shelf stability, sensory properties, etc.).

Final submission date:

June 30th, 2016

Abstracts

All abstracts of oral and poster presentations are available on the Food Colloids website:

http://www.foodcolloids2016.nl/program



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Partner



Infogest is an action granted by COST in the domain of Food and Agriculture. Adjacent to the Food Colloids conference, a workshop is organized on April 14th. https://www.cost-infogest.eu



Conference Program

	Sunday April 10 th	Monday April 11 th	Tuesday, April 12 th	Wednesday, April 13 th
8.00		Registration		_
8.30		Opening		
8.45				1.1 - 1.1
9.00				
9.15		Engineered interfaces	Biopolymer assembly	Multicomponent systems
9.30				
9.45		h		
10.00				
10.15		Coffee break		Coffee Break
10.30			Coffee Break	
10.45				M. N
11.00				Multicomponent systems
11.15		Engineered interfaces		
11.30		2	Bi I	
11.45			Biopolymer assembly	
12.00				Donton consists VI
12.15		3 3		Poster session II
12.30		Lunch		
12.45			1	
13.00			Lunch	
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13.30		Facility and laboring		Lunch
13.45		Engineered interfaces	a 2 1 m	
14.00			Davidalina atmistium	
14.15			Revealing structure from micro to macro	
14.30			- Hom micro to macro	Multicomponent systems
14.45		Coffee break		Multicomponent systems
15.00			_	
15.15				
15.30			Coffee break	-
15.45	Registration		Сопее вгеак	
16.00	Registration	Physical aspect of oral		Clasina saramany
16.15		processing		Closing ceremony
16.45				
17.00	-		Social program	
17.15			occiai program	
17.30				
17.45				
18.00				
18.15		Poster session I		
18.30				
18.45				
19.00	Welcome			
19.15	Reception			
19.30				
19.45				
20.00		Gala dinner		
21.00				
22.00				
23.00				



Oral Presentations

Monday, April 11th

8:00 - 8:30		Registration
8:30 - 8:40		Opening ceremony
8:40 - 10:20	1 (92)	Session 1A - Engineered interfaces Chair: Reinhardt Miller
8:40 - 9:20	KEY-EI	Engineering stability through interfacial rheology: where do we stand? Jan VERMANT ETH Zürich, Switzerland
9:20 - 9:40	EI-1	Adsorption kinetics and interfacial rheology as a means to tune the microstructure of citrus pectin emulsions <u>Ulrike SCHMIDT</u> , Heike SCHUCHMAN <i>Karlsruhe Institute of Technology, Germany</i>
9:40 - 10:00	EI-2	Experimental exploration of triglyceride ordering at surfactant-covered oil- water interfaces Nicole GREEN, <u>Derick ROUSSEAU</u> , Stephan EUSTON <i>University of Toronto, Canada</i>
10:00 - 10:20	EI-3	Sesame proteins for microbubble foams Miro KIRIMLIDOU, Christos AMPATZIDIS, Thodoris KARAPANTSIOS, Vassileios KIOSSEOGLOU, Constantinos NIKIFORIDIS Wageningen University, the Netherlands
10:20 - 10:50		Coffee break

10:50 - 12:10		Session 1B - Engineered interfaces Chair: Miguel Angel Cabrerizo-Vilchez
10:50 - 11:10	EI-4	Microbubbles stabilised by mixtures of hydrophobin + casein : Experimental results and theoretical considerations
		Rammille ETTELAIE, Pappole VALADBAIGI, Brent MURRAY University of Leeds, UK
11:10 - 11:30	EI-5	Interaction of hydrophobins with other surface actives in ice cream and effect on bubble stability (a surface rheology perspective) Damiano ROSETTI, Nick HEDGES, Andrew COX Unilever, UK
11:30 - 11:50	EI-6	Creation of textured dairy emulsions by connecting oil droplets through whey protein aggregates Thibault LOISELEUX, Catherine GARNIER, Thomas CROGUENNEC, Valerie BEAUMAL, Camille JONCHERE, Marc ANTON, Alain RIABLANC
11:50 - 12:10	EI-7	The influence of size and concentration of silica particles and salt on foaming property of casein/silica system
12:10 - 13:00		M CHEN, G SALA, M MEINDERS, E VAN DER LINDEN Wageningen University, The Netherlands Lunch



13:00 - 14:40		Session 1C - Engineered Interfaces Chair: Taco Nicolai
13:00 - 13:20	EI-8	A novel measurement device for investigating the shelf life of single and double emulsions
		Susanne NEUMANN, Heike SCHUCHMANN
		Karlsruhe Institute of Technology, Germany
13:20 - 13:40	EI-9	EPR spin probing to characterize the impact of interfaces during lipid oxidation Heimke KRUDOPP, Anna MIELKE, <u>Ania STEFFEN-HEINS</u>
		Kiel University, Germany
13:40 - 14:00	EI-10	Stability of lycopene-loaded emulsions: Effect of dairy and plant proteins at
		the interface
		Kacie HO, Fernanda SAN MARTIN GONZALEZ, Karin SCHROEN, Claire BERTON-
		CARABIN
		Purdue University, USA / Wageningen University, the Netherlands
14:00 - 14:20	EI-11	Behaviour of Pickering emulsions stabilized by soft whey protein microgel particles during in vitro gastrointestinal digestion: Impact of heat treatment Anwesha SARKAR, Brent MURRAY, Melvin HOMES, Rammile ETTALAIE, Azad ABDALLA, Xinyi YANG University of Leeds, UK
14:20 - 14:40	EI-12	Interfacial aspects underlying the inhibitory effects of green tea extract on
		lipolysis in vitro
		Teresa DEL CASTILLO-SANTAELLA, Julia MALDONADO-VALDERRAMA, Deyanira
		RONDON-RODRIGUEZ, Jose GALVEZ-RUIZ, Miguel Angel CABRERIZO-VILCHEZ
		University of Granada, Spain
14:40 - 15:10		Coffee break

15:10 - 17:30		Session 2A - Physical aspects of oral processing Chair: Claire Berton - Carabin
15:10 - 15:50	KEY-OP	Markus STIEGER Wageningen University, the Netherlands
15:50 - 16:10	OP-1	Oral processing of food – structure breakdown and reorganisation Sofia KIHLMAN ØISETH, Graham EYERS, Li DAY, Leif LUNDIN, Ingrid APPELQVIST CSIRO, Australia
16:10 - 16:30	OP-2	Underlying mechanisms for sensory perception of double emulsions with gelled and non-gelled w1 phase Anika OPPERMANN, Elke SCHOLTEN, Markus STIEGER Wageningen University, The Netherlands
16:30 - 16:50	OP-3	The structure of dairy products effects gastrointestinal digestion at multiple length-scales Alan MACKIE, Anabel MULET-CABERO, Neil RIGBY, Simon LOVEDAY, Janiene GILLILAND, Maria FERRUA Institute of Food Research, UK
16:50 - 17:10	OP-4	Flavour release during food processing: a taste of mass transfer Martijn WETERINGS, Igor BODNAR, Remko BOOM, Michael BEYRER HESSO Valais-Wallis Institute of Life Technologies, Switzerland
17:10 - 17:30	OP-5	Tribological and sensory properties of food particles in liquid and semi-solid foods Kun LIU, Markus STIEGER, Erik VAN DER LINDEN, Fred VAN DE VELDE Wageningen University, The Netherlands
17:30 - 19:00		Poster session I
19:30		Gala dinner, hotel the "Wageningsche Berg"



Tuesday, April 12th

8:30 - 10:30		Session 3A – Biopolymer assembly Chair: Bjorn Bergenstähl
8:30 - 9:10	KEY-BA	Ethylcellulose interactions with colloidal particles and its effect on structuring jammed systems Alejandro MARANGONI University of Guelph, Canada
9:10 - 9:30	BA-1	Hybrid oleogel made of polymer and crystalline gelators Maya DAVIDOVICH-PINHAS, Andrew GRAVELLE, Shai BARBUT, Alejandro MARANGONI Technion – Israel Institute for Technology, Israel
9:30 - 9:50	BA-2	Protein aggregates as building blocks for oil structuring <u>Auke DE VRIES</u> , Erik VAN DER LINDEN, Elke SCHOLTEN Wageningen University, The Netherlands
9:50 - 10:10	BA-3	Casein micro-particle as carriers for hydrophobic substances – a new approach for its isolation and characterization Yu ZHUANG, Julia STERR, Alicia SCHULTE, Ulrich KULOZIK, Ronald GEBHARDT Technische Universität München, Germany
10:10 - 10:30	BA-4	pH-dependent self-assembly of native soy globulin in aqueous solution and heat-induced aggregation Nannan CHEN, Mouming ZHAO, Christophe CHASSENIEUX, Taco NICOLAI Université du Maine, France
10:30 - 11:00		Coffee break

11:00 - 12:40		Session 3B - Biopolymer assembly Chair: Elke Scholten
11:00 - 11:20	BA-5	Production & use of protein or P\polysaccharide microgel particles via jet homogenization Brent MURRAY, Linda PRAVINATA, Natariche PHISARNCHANANAN, Kentaro MATSUMIYA
11:20 - 11:40	BA-6	University of Leeds, UK Delivery of functional ingredients by self-assembled modified food biomacromolecules Yuan LI, Wei LI, Luhai ZHAO, Mengxuan SHI, Willen NORDE Being University of Chemical Technology. Chica
11:40 - 12:00	BA-7	Being University of Chemical Technology, China Formation of fibrous protein structures from a condensed water-in-water emulsion by simple shear flow deformation Birgit DEKKERS, Costas NIKIFORIDIS, Remko BOOM, Atze-Jan VAN DER GOOT
12:00 - 12:20	BA-8	Wageningen University, The Netherlands Smart delivery vehicles based on the self-assembled complexes of the food biopolymers with polyunsaturated lipids stabilized by plant antioxidants: structure-functionality relationships Maria SEMENOVA, Anna ANTIPOVA, Natalia VOROBYEVA, Natalia SMOTROVA, Vera SENINA, Nadezda PALMINA, Tamara MISHARINA, Ekaterina ALINKINA, Vladimir BINYUKOV, Natalia BOGDANOVA, Valerii KASPAROV Emanuel Institute of Biochemical Physics of Russian Academy of Sciences, Russian Federation
12:20 - 12:40	BA-9	Oleosome-based gels prepared by hydrocolloid trapping Behic MERT, Thomas VILGIS Middle East Technical University, Turkey / Max-Planck Institute for Polymer Research, Germany
12:40 - 13:30		Lunch



13:30 - 15:50		Session 4A - Revealing structure from micro to macro Chair: Richard Ipsen
13:30 - 14:10 K	(EY-RS	Food structure from the inside with neutron scattering Wim BOUWMAN Delft University, the Netherlands
14:10 - 14:30 R	RS-1	Extended colloidal networks in emulsions. 3-D imaging by ptychographic x-ray computed tomography Jens RISBO, Mikkel SHOU NIELSEN, Merete BOGELUND MUNK, Ana DIAZ, Emil Boje LIND PETERSEN, Mirko HOLLER, Stefan BRUNS, Kell MORTENSEN, Robert University of Copenhagen, Description
14:30 - 14:50 R	RS-2	(SANS) Brigitta ZIELBAUER, Sania MAURER, Gustav WASCHATKO, Andrew JACKSON, Market GHEBREMEDHIN, Richard HEENAN, ANDREW HEENAN
	RS-3	Dynamic interfacial tension of emulsions studied with microfluidics Kelly MUIJLWIJK, Claire REPTON Consultations
	RS-4	Milk protein hydrolysis during in-vivo and in-vitro digestion: Peptide generation and degradation L EGGER, H STOFFERS, P SCHLEGEL, D GUGGISBERG, P STOLL, G VERGERES, P PORTMANN
15:30 - 15:50 F	RS-5	Agroscope Institute for Food Sciences, Switzerland Passive rheology as a useful tool for food analyses Roland RAMSCH, Maxime BAZIN, Giovanni BRANBILLA, Mathias FLEURY, Pascal BRU Gerard MEUNIER
15:50 - 16:10		Formulaction, France Coffee break
16:15		Social event and dinner - National park the "Hoge Veluwe"



Wednesday, April 13th

8:30 - 10:10		Session 5A - Functionality of multicomponent systems Chair: Anneke Martin
8:30 - 9:10	KEY-MC	Molecular interactions, phase behavior and transport phenomena from a low-solid gel to a high-solid glass Stefan KASAPIS RMIT University, Australia
9:10 - 9:30	MC-1	Effects of disulfide bonding between added whey protein aggregates and other milk components on the rheological properties of acidified milk model systems
		Guanchen LIU, Marianne LUND, Colin RAY, Soren NIELSEN, Tanja JAEGER, Richard IPSEN
9:30 - 9:50	MC-2	University of Copenhagen, Denmark
9:30 - 9:30	MC-Z	Effect of non-ionic emulsifier on structure and properties of a bench-scale model cheese
		Seyed HOSSEINI-PARVAR, Mita LAD, Christina COKER, Palatasa HAVEA, Matt GOLDING Massey University, New Zealand
9:50 - 10:10	MC-3	The effect of competition for calcium ions on heat-induced aggregation and gelation of mixtures of whey protein isolate and sodium caseinate
		<u>Trong Bach NGUYEN</u> , Christophe CHASSENIEUX, Christophe SCHMITT, Lionel BOVETTO, Taco NICOLAI
		Nha Trang University, Vietnam
10:10 - 10:30		Coffee break

10:30 - 11:50		Session 5B – Functionality of multicomponent systems Chair: Martin Leser
10:30 - 10:50	MC-4	Mixed biopolymer gels prepared from cellulose microfibrils and whey protein isolate – the role of cellulose in structuring of foods Jinfeng PENG, Paul VENEMA, Krassimir VELIKOV, Erik VAN DER LINDEN Wageningen University, The Netherlands
10:50 - 11:10	MC-5	Quantitative confocal microscopy and probe diffusion in bicontinuous phase separated structures
11:10 - 11:30	MC-6	N LOREN, E SCHUSTER, M RUDEMO, A-M HERMANSSON Swedisch Institute for Food and Biotechnology, Sweden
	MC-0	Fate of solid lipid nanoparticles (SLN) in o/w emulsions Kathleen OEHLKE, Johanna MILSMANN, Ralf GREINER, Anja STEFFEN-HEINS Max Rubner Institute, Germany
11:30 - 11:50	MC-7	Process stability of whey protein-pectin complexes as new structuring elements in fat reduced food systems Kristin PROTTE, Alina SONNE, Jochen WEISS, Jorg HINRICHS University of Hohenheim, Germany
11:50 - 13:20		Poster session 2
13:20 - 14:10		Lunch



14:10 - 16:10		Session 5C – Functionality of multicomponent systems Chair: Brent Murray
14:10 - 14:30	MC-8	Mechanical properties of extra virgin olive oil based oleogels as affected by minor compounds Veronica GIACINTUCCI, Carla DI MATTIA, Giampiero SACCHETTI, Saeed GHAZANI, Alejandro MARANGONI, Paola PITTIA University of Teramo, Italy
14:30 - 14:50	MC-9	Oil solubilization in cationic surfactant-anionic polymer complexes: Effect of polymer concentration, temperature and ionic strength Hui ZHANG, Lingli DENG, Jochen WEISS
14:50 - 15:10	MC-10	Potato protein based nanovehicles for health promoting hydrophobic bioactives in clear beverages Shlomit DAVID, Yoav LIVNEY Technion - Israel Institute of Technology, Israel
15:10 - 15:30	MC-11	Multilayered interfaces to delay in vitro lipolysis in O/W emaisions Meinou CORSTENS, Claire BERTON-CARABIN, Annemarie KESTER, Remco FOKKINK, Johanna VAN DEN BROEK, Renko DE VRIES, Freddy TROOST, Ad MASCLEE, Karin SCHROEN
15:30 - 15:50	MC-12	system for controlled digestion Wentao LIU, Tim FOSTER
15:50 - 16:10	MC-13	Regulation of lipid digestion via encapsulation in protein gels with differing structures T WOOSTER, J-M JUAN, S ACQUISTPACE, E KOLODZIEJCZYK, A SARKAR, L DONATO Nestle, Switzerland
16:10		Closing ceremony



Poster presentations

Poster session I, Monday, April 11th (17:30 - 19:00)

pEI-1	Influence of interfered
per-I	Influence of interfacial composition on the in vitro interfacial gastrointestinal digestion Fernando BELLESI, Victor PIZONES RUIZ-HENESTROSA, Julia MALDONADO-VALDERRAMA, Ana PILOSOF Conseio Nacional de Investigaciones Científicas V. Tarado
pEI-2	
	Interfacial and bulk rheological properties of sugar beet pectin – sodium caseinate stabilised emulsions Juyang ZHANG, Bettina WOLF
	University of Nottingham, UK
pEI-3	Improved heat stability of whey protein isolate stabilized
	pectin through dry heat treatment
	Arima Diah SETIOWATI, Paul VAN DER MEEREN
	Grient University, Belaium
,	Evolution of buriti oil-droplet sizes stabilised by soy protein/pectin during storage
	Sao Paulo State University, Brazil
pEI-5	Characterization of a microemulsion system composed of food-grade surfactants, soybean oil and water Diana CANO-HIGUITA, Caroline FUZETTI, Vania TELIS
	Diana CANO-HIGUITA, Caroline FUZETTI, Vania TELIS
	São Paulo State University Brazil
pEI-6	Concentration effect of Quillaia canonia Na
	Corina REICHERT, Hanna SALMINEN, Gabriela BADOLATO BÖNISCH, Christian SCHÄFER, Jochen WEISS University of Hohenheim, Germany
pEI-7	University of Hohenheim, Germany
DEI-1	Emulsifying capacity of whey proteins covalently modified with cabbage compound allyl isothiocyanate
	Julia KEPLER, Anja STEFFEN-HEINS, Claire BERTON-CARABIN, Karin SCHWARZ CAU Kiel, Germany
pEI-8	Effects of adaptive Living
,	Effects of gelatin-alginate interactions on interfacial and forming characteristics Natthiya PHAWAPHUTHANON, Moojoong KIM, Dooghwa CHIMAC
	Ganneung-Wonju National Maine in Bonghwa CHONG
pEI-9	Effect of intrinsic wheat line of Korea
	Louise SALT, Irene GONZALEZ, THUM ISSO On interfacial and foaming properties of dough liquor
	Thought, relet Shewry Deter Will De
-51.40	A TISULULE UI FOOD ROCARCH LIIV
pEI-10	Generation of Ultra-stable microbubble of the control of the contr
	Pappole VALADBAIGI, Rammile ETTELAIE, Brent MURRAY University of Leeds JIK
pEI-11	
PLI 11	Interfacial properties and emulsifying ability of crude and purified soybean oil bodies Toya ISHII, Kentaro MATSUMIYA, Yuko NAMBU, Masabiko SAMOTO Masabiko S
	Toya ISHII, Kentaro MATSUMIYA, Yuko NAMBU, Masahiko SAMOTO, Masanobu YANAGISAWA, Yasuki MATSUMARA Kyoto University, Japan Effects of heat transfer
pEI-12	Fffects of hospitalis
	Kentaro MATSUMIYA, Sanae HORIGUCHI, Tatsuya KOSUGI, Taka-Aki MUTOH, Kimio NISHIMURA, Yasuki MATSUMURA Kinetics, thermodynamics and nomogenization on milk fat globules and proteins in whipping cream Kyoto University Kinetics, thermodynamics and the same and the s
DEI-13	Kinetics, thermodynamics - 1
	interface: effect of pH and interface; effect of pH and interface; effect of the water (table decrease)
	Jooyoung WON, Jürgen KPACE, Committee and Jones Strength
Fr	Jooyoung WON, Jürgen KRAGEL, Georgi GOCHEV, V.B. FAINERMAN, REINHARD MILLER Adsorption of beta-lactocle bulleting and Interfaces, Germany
EI-14	Adsorption of beta-lactoglobylis and Interfaces, Germany
	Adsorption of beta-lactoglobulin at the water/air surface: Effect of the pH and ionic strength of the aqueous V ULAGANATHAN I RETZIACE AND ADDRESS AND
EI-15	Max-Planck Institute for Colloid and Interfaces Science, Germany The impact of interfacial ingredients
11-13	
	Jing LUO, Graeme GILLIES, Mita LAD, Matt GOLDING Massey University, Fonterra, Now Zording and Control of the C
EI-16	Plassey University Fonterra Nama
10	
	Nizaha Juhaida MOHAMAD, David GRAY, Bettina WOLF
EI-17	University of Nottingham, UK
.,	Stability of whey protein emulsions to heat treatments is made in
	Stability of whey protein emulsions to heat treatments is mainly governed by the stability of the proteins in
	Marie CHEVALLIER, <u>Alain RIAUBLANC</u> , Christelle LOPEZ, Pascalline HAMON, Florence ROUSSEAU, Thomas CROGUENNEC
EI-18	Investigation of the state of t
	Anvestigation of Emulsion E
	Reza FARZAD, Stefan PUTTINGER, Stefan PIRKER, Simon SCHNEIDERBAUER Johannes Kepler University, Austria
EI-19	Johannes Kepler University, Austria
	The state of the s
	Fanny LAZZARO, Eric BEAUCHER, Christelle LOPEZ, Marie-Noelle MADEC, Arnaud SAINT-JALMES, Frederic VIOLLEAU, Mireille GAUCHER, Frederic GAUCHERO,
	Mireille GAUCHER, Frederic GAUCHERON INRA Rennes, France
	ACTURE France





pEI-20	Shear and osmotic sensitivity of W/O/W-type double emulsions with a gelled internal water phase
	Mathieu BALCAEN, Lien VERMEIR, AMOUT DECLERCK, Paul VAN DER HEELEN
	Ghent University, Belgium Improving the shelf-life of low-fat cheese through edible coatings based on antimicrobial nanoemulsions
pEI-21	and shed with mandarin tipre
	Maria ARTIGA-ARTIGAS, Alejandra ACEVEDO-FANI, Olga MARTIN-BELLOSO
	University of Lleida, Spain
-F7 22	Protein-phenol complexes for interfacial stabilization Protein-phenol complexes for interfacial stabilization Atte-lan VAN DER GOOT, Constantinos
pEI-22	Protein-phenol complexes for interfacial stabilization Dimitris KAREFYLLAKIS, Serkan ALTUNKAYA, Claire BERTON-CARABIN, Atze-Jan VAN DER GOOT, Constantinos
	NIKIFORIDIS
	Land Halvarde, the Notherlands
pEI-23	and its mixtures with Dolysaction and its mixtures with Dolysaction
pLI 25	Dielor Frank LODE 7-SAN LAGO MARIANA KAMIREZ-GILLELI / 1100 1
	Universidad Nacional Autonoma de Mexico, Mexico Containing buriti oil through the creaming index
pEI-24	Stability evaluation of soy protein/pectin dispersions Containing Mirian Luisa Faria FRETTAS, Ana Paula Badan RIBEIRO, Vania Regina Nicoletti TELIS
	Mirian Luisa Faria FRETTAS, Aria Fadia Bassi Frederica
	Sao Paulo State University, Brazil
pEI-25	Sao Paulo State University, Brazil Role of the interface on the crystallisation of water-in-cocoa butter emulsions AND AND MURICIPATION AND NORTON
	Vincenzo DI BARI, William MACNAUGHTAN, Ian NORTON
	University of Nottingnam, UK
pEI-26	Vincenzo DI BARI, William MACNAUGHTAN, Tall Notes of University of Nottingham, UK Fungal proteins from the Quorn fermentation co-product as novel foaming, emulsifying and gelling agents Julien LONCHAMP, Paul CLEGG, Stephen EUSTON
	Julien LONCHAMP, Paul CLEGG, Stephen 2001
	Julien LONCHAMP, Paul CLEGG, Stephen Losson Heriot Watt University, UK Characterization and functionalities of isolate proteins from Tenebrio molitor and Tenebrio molitor meal
pEI-27	produced by thermo-mechanical process
	<u>Christiane AZAGOH</u> , Roux T, Fabrice DUCEPT, Samir MEZDOUR
	TNIDA Paris-Saclay, France
ET 20	Christiane AZAGOH, Roux T, Fabrice DUCEPT, Saini McLoss INRA Paris-Saclay, France Foaming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and the influence of sucrose and incoming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and incoming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and incoming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and incoming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and incoming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and incoming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and incoming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and incoming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and incoming and air-water interfacial properties of wheat gluten hydrolyzates and the influence of sucrose and incoming
pEI-28	Foaming and air-water interfacial properties of the second properties o
	Arno WOUTERS, Ellen FIERENS, Ine ROMBOUTS, Nele SCHOLDRESHOP
	DELCOUR
pEI-29	Structure-affecting enzymes to engage EWERT Timo STRESSLET, Lutz FISCHER, JOHN TONES
pc1-23	Benjamin ZEEB, Lutz GROSSMANN, Jacob EWERY, Germany
	Institute of Food Science and Science and morphology, for Improved
pEI-30	Benjamin ZEEB, Lutz GROSSMANN, Jacob EVERY, Institute of Food Science and Biotechnology, Germany Institute of Food Science and Biotechnology, Germany Harnessing proteins to control crystal size and morphology, for improved delivery performance of hydrophobic bioactives, using genistein as a model hydrophobic bioactives, using genistein as a model Gal ISRAELI-LEV, Marina PITCHKHADZE, Sahar NEVO, Lulu FAHOUM, Esther MEYRON-HOLTZ, Yoav LIVNEY
pe1-30	hydrophobic bloactives, and Sahar NEVO, Lulu FAHOUN, Estile 1
	Gal ISRAELI-LEV, Marina PITCHRHADZE, 3344
	Technion, Israel
pEI-31	Towards a quantitative description of the control o
P	Roy DELAHAIJE, Harry GROFFEIN, Feed Wageningen University, the Netherlands
	Wageningen University, the Neuronal



Physical Aspects of Oral Processing	
pOP-1	Harnessing polysaccharide-lectin interactions to functionalize emulsions: Insights from emulsions stabilized by waxy starch and Concanavalin-A Dana SHUSHI, Asher SHAZMAN, <u>Uri LESMES</u> Technion, Israel
pOP-2	Interfacial engineering of droplet interfaces towards controlled digestive fates in infants, adults and the elderly Dafna Meshula PASCOVISHE, Carmit Shani LEVI, <u>Uri LESMES</u> Technion – Israel Institute of Technology, Israel
pOP-3	Can we mimic in vivo digestion of the preterm newborn by an in vitro dynamic model? S.C. de OLIVEIRA, C. BOURLIEU, O. MENARD, A. BELLANGER, F. CARRIERE, E. DIRSON, Y. LEGOUAR, P. PLADYS, D. DUPONT, A. DEGLAIRE INRA, France
pOP-4	How the interfacial and aggregation behaviour of bile salts influence in vitro lipid digestion Michael RIDOUT, Roger PARKER, Peter WILDE Institute of Food Research, UK
pOP-5	Bioaccessibility of quercetin encapsulated in solid lipid microparticles: influence of the oil core composition and of the interactions among bioactive and surfactants Caio PEREIRA, Cynthia DE CARLI, Ana Paule RAMOS, Samantha PINHO University of Sao Paulo, Brazil
pOP-6	How the body reacts to food: an innovative In Silico tool to model and predict digestion, absorption and physiological responses George VAN AKEN NIZO Food Research, the Netherlands
OOP-7	Study on pepsin diffusion in protein gel digestion QI LUO, Remko BOOM, Anja JANSSEN Wageningen University, the Netherlands
OOP-8	Oral processing of mixed biopolymer gel with different degrees of inhomogeneity Laura LAGUNA, <u>Anwesha SARKAR</u> University of Leeds, UK

pRS-1	(SE)SANS as a toolky live
	(SE)SANS as a tool to bridge the length scale of anisotropic protein structures
Page 1	Bei TIAN, Wim BOUWMAN, Atzejan VAN DER GOOT Delft University, the Netherlands
pRS-2	
	Evenil VI
	Effect of stabilizers on the mesostructure of cellulose microfibrils studies by small-angle X-ray scattering Evgenii VELICHKO, Ruud DEN ADEL, Gert-Jan GOUDAPPEL, John VAN DUYNHOEVEN, Wim BOUWMAN Milk protein but the Netherlands
pRS-3	Dent University, the Netherlands Society, John Van Duynhoeven, Wim Bouwman
	The protein hydrolycic dans .
	Milk protein hydrolysis during in-vivo and in-vitro digestion: Peptide generation and degradation L.EGGER, H. STOFFERS, P. SCHLEGEL, D. GUGGISBERG, P. STOLL, G. VERGERES, R. PORTMANN Microfiuldica by the state of
DRS-4	
JN3-4	
	Microfluidics to study emulsifier adsorption and emulsion stability Kelly MUIJLWIJK, Claire BERTON-CARABIN, Karin SCHROEN Wageningen University. The Nethodores
	wageningen University The New
RS-5	Diffusing Ways Space Netherlands
	Diffusing Wave Spectroscopy for the characterization of fat crystals Maxime BAZIN, Glavanni BRAMBILLA, Mathias El EURY, Pascel BRID.
	Formulaction, Francisco Brambilla, Mathias FLEURY, Pascal Bull, County McLings
RS-6	Maxime BAZIN, Giavanni BRAMBILLA, Mathias FLEURY, Pascal BRU, Gerard MEUNIER The Suprameters of the Characterization of fat crystals The Suprameters of the Characterization of fat crystals
	The supramolecular assembly behaviour of oleic acid and sodium oleate in hydrophobic environments Steven CORNET, Marta MARTINEZ-SANZ, Anna SOKOLOVA, Andrew WHITTEN, Elka SCHOLTEN, Elliot Bayl Cit BERT Wageningen University, the Martinez-Sanz, Anna SOKOLOVA, Andrew WHITTEN, Elka SCHOLTEN, Elliot Bayl Cit BERT
	Steven CORNET, Marta MARTINEZ-SANZ, Anna SOKOLOVA, Andrew WHITTEN, Elke SCHOLTEN, Elliot Paul GILBERT Dynamic structural of the Netherlands
PRS-7	wageningen University, the Netherlands
	Tatiana NIKOLAEVA Daan DE KORT
	<u>Tatiana NIKOLAEVA</u> , Daan DE KORT, Adrian VODA, Ruus DEN ADEL, Henk VAN AS, John VAN DUIJNHOVEN Wageningen University, the Netherlands



Poster session II, Wednesday, April 13th (11:50 – 13:20)

Biopolyr	Biopolymer Assembly	
pBA-1	Structure of hyperbranched heteropolysaccharides of Acacia gum exudates: From spheroidal to prolate	
DBA-1	Michael NIGEN Lizeth LOPEZ-TORRES Pascale WILLIAMS, Thierry DOCO, Chinasa	
	UM-INRA, France Stabilization of oil-in-water emulsion by protein-polysaccharide colloidal particles Wabyu WIJAYA Ashok PATEL Hanny WIJAYA, Paul van der Meeren	
BA-2	Stabilization of oil-in-water emulsion by protein-polysaccondition	
pbA-2	Wahyu WIJAYA, Ashok PATEL, Hanny WIJAYA, Paul van der Meeren	
	Ghent University, Belgium	
pBA-3	Wahyu WIJAYA, Ashok PATEL, Hanny WIJAYA, Paul van der Meeren. Ghent University, Belgiium Structure and functionality of the supramolecular complexes of food biopolymers with PC liposomes mixed with docosahexaenoic fatty acid and stabilized by plant antooxidants Natalia VOROBYEVA, Natalia SMOTROVA, Sergey CHEBOTAREV, Anna ANTOPOVA, Nadezda PALMINA, Tamara Natalia VOROBYEVA, Natalia SMOTROVA, Sergey CHEBOTAREV, Anna ANTOPOVA, Valerii KASPAROV, Maria SEMENOVA MISHARINA, Ekaterina ALINKINA, Vladimir BINYUKOV, Natalia BOGDANOVA, Valerii KASPAROV, Maria SEMENOVA MISHARINA, Ekaterina ALINKINA, Vladimir BINYUKOV, Natalia BOGDANOVA, Russian Federation N.M. Emanuel Institute of Biochemical Physics of Russian Academy of Sciences, Russian Federation Microencapsulation of betalain microemulsion by complex coacervation in matrices of gelatin and gum arabic	
	N.M. Emanuel Institute of Biochemical Prinsels of New Complex coacervation in India.	
pBA-4	Microencapsulation of betalent mass	
	Diana CANO-HIGHTA Caroline FUZETTI, Vania TELIS,	
	Diana CANO-HIGUITA, Caroline Folders, Vision Page 1997 P	
-DA E	Sao Paolo State University, Brazil Characterisation of carboxymethylcellulose, a cellulose gum from wheat bran Suzaira RAVAR, Peter HO, Rammile ETTELAIE	
pBA-5	Suzaira BAKAR, Peter HO, Rammile ETTELAIE	
pBA-6	at the transfer manufacturing Microparticion	
per c	Lykke ANDERSEN, Christian VESTERGAARD, Richard IPSEN	
	CO-RO A/S, Denmark edible oil	
pBA-7	CO-RO A/S, Denmark Investigation of lipo & hydrocolloids in structuring edible oil Pravin RAJARETHINEM, Francine FAYOLLE, Joelle GRUA, Alain LEBAIL Pravin RAJARETHINEM, Francine FAYOLLE, Joelle GRUA, Alain LEBAIL	
	Prayin RAJARETHINEM, Francine FAYULLE, Joene Group	
	ONIRIS-Site, France	
pBA-8	Pravin RAJARETHINEM, Francine FAYOLLE, Joelle GROA, Alban Della GR	
	V. ULAGANATHAN, G. GOCHEV, C. GERIN VICTORIAN OF THE CONTROL OF TH	
DA 0	V. ULAGANATHAN, G. GOCTIEV, C. STATE Science, Germany Max Plank Institute for Colloid and Interface Science, Germany Structure and viscosity of dense suspensions of fractal globular protein aggregates Structure and Viscosity of dense suspensions of Iractal globular protein aggregates Structure and Viscosity of dense suspensions of Iractal globular protein aggregates	
pBA-9	Structure and viscosity of dense suspensions of the Malailuk INTHAVONG, Christophe CHASSENIEUX and Taco NICOLAI Walailuk INTHAVONG, Christophe CHASSENIEUX and Taco NICOLAI	
	Universite du Maine, France	
pBA-10	Walailuk INTHAVONG, Christophe CHASSENIEUX and Tools Universite du Maine, France Hybrid nanoliposome/electrosprayed encapsulation structures for the delivery of bioactive ingredients Hybrid nanoliposome/electrosprayed encapsulation structures for the delivery of bioactive ingredients Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLI, Lucimara GAZIOLA DE LA TORRE, Amparo LOPEZ-RUBIO Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLI, Lucimara GAZIOLA DE LA TORRE, Amparo LOPEZ-RUBIO Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLI, Lucimara GAZIOLA DE LA TORRE, Amparo LOPEZ-RUBIO Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLI, Lucimara GAZIOLA DE LA TORRE, Amparo LOPEZ-RUBIO Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLI, Lucimara GAZIOLA DE LA TORRE, Amparo LOPEZ-RUBIO Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLI, Lucimara GAZIOLA DE LA TORRE, Amparo LOPEZ-RUBIO Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLI, Lucimara GAZIOLA DE LA TORRE, Amparo LOPEZ-RUBIO Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLI, Lucimara GAZIOLA DE LA TORRE, Amparo LOPEZ-RUBIO Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLI, Lucimara GAZIOLA DE LA TORRE, Amparo LOPEZ-RUBIO Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE SIPOLINE SIPOLI	
pbA-10	Laura GOMEZ-MASCARAQUE, Caroline CASAGRANDE ASSAGRANDE	
	Institute of Agrochemistry and researched to design gelled emulsions as delivery	
pBA-11	Potential use of casein glycomacropeptide to design a State of Casein glycomacrope	
	Rocio MORALES, Maria Julia Tivita Labara	
	Universidad de Buenos Aires, Argentina Prediction of collapse time of polymer stabilized O/W emulsions Prediction of collapse time of polymer stabilized O/W emulsions Character BRAMBILLA, Mathias FLEURY, Pascal BRU, Gerard MEUNIER	
pBA-12		
	Formulaction, France	
pBA-13	Christelle TISSERAND, Glovaling Section 25 Formulaction, France Improved stabilisation of concentrated oil-in-water emulsions by complexing soy protein with κ-	
PDA-13	carrageenan Koen DEWETTINCK, Ashok PATEL	
	Iris TAVERNIER, Paul VAN DER HEELDEN, Ghent University, Belgium Molecular Dynamics Simulation of Triglyceride Ordering at Surfactant Covered Triglyceride-Water Interface Molecular Dynamics Simulation of Triglyceride Ordering at Surfactant Covered Triglyceride-Water Interface	
pBA-14	Stephen EUSTON, Derick ROUSSEAU	
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	Heriot-Watt University, UK Alternative crosslinking strategies for whey protein particles and the effect on the particle stability and	
pBA-15	functionality	
	Jeroen BOEVE, Loic BUYSE, <u>Iris JOYE</u>	
	KU Lauven Belaium	
pBA-16	Simple coacervation of Acacia gum solutions Simple coacervation of Acacia gum solutions	
	Veronica MEJIA TAMAYO, Michael NIGEN, Christian SANCHEZ Unite Mixte de Recherche Ingeniere des Agro-polymeres et Technologies Emergentes, France Unite Mixte de Recherche Ingeniere des Agro-polymeres et Technologies Emergentes, France	
	Unite Mixte de Recherche Ingeniere des Agro-polymeres et recimologies anno la major implication of Colloidal stability of polyphenols in young red wine by Acacia gum: the major implication of	
pBA-17	arabinogalactan-proteins rich in proteins	
	arabinogalactan-proteins rich in proteins Michael NIGEN, Rafael APOLINAR-VALIENTE, Pascale WILLIAMS, Thierry DOCO, Nerea ITURMENDI, Virginie MOINE,	
	Isabelle JAOUEN, Christian SANCHEZ	
	INRA Montpellier, France	
pBA-18	Extraction of functional proteins from chlorella spp	
	Lutz GROSSMANN, Caroline KRATZNER, Jorg HINRICHS, Jochen WEISS	
	University of Hohenheim, Germany Gelatin dissolution is more affected by the structure than the water mobility	
pBA-19	Anne DUCONSEILLE, Amidou TRAORE, Fabrice AUDONNET, Thierry ASTRUC, <u>Veronique SANTE-LHOUTELIER</u> INRA, France	
pBA-20	Spontaneous self-assembly of bovine collagen is modulated by age of animal and drying process	
pbA-20	Vincenza FERRARO, Marc ANTON, Veronique SANTE-LHOUTELLIER	
	INRA Nantes, France	



pMC-1	Influence of the incorporation of curcumin-loaded solid lipid microparticles on the characteristics of mixed
price	Ivana GEREMIAS-ANDRADE, Danielle ANDREASSA, Samantha PINHO
pMC-2	University of Sao Paulo, Brazil
pMC-2	Factors of influence on cold set gelation od mixed gels produced with soy protein isolate and locust bean gum Thais BRITO-OLIVEIRA, <u>Samantha PINHO</u>
	University of Sao Paulo, Brazil
pMC-3	Physico-chemical and structural characterization of multilamellar curcumin-loaded liposomes obtained by
	Camila JANGE, Matheus CHAVES, Juliana ROCHA, Pedro OSELIERO ELI HO, Cristiano OLIVEIDA, Camaraba, Sanual
рмс-ч	Formation of micro- and nano-sized gel particles of calcium alginate via the Leeds Jet Homogenizer Linda PRAVINATA, Brent MURRAY University of Leeds, UK
pMC-5	Exploration of the effect of liquid anti-solvent precipitation production parameters on colloidal protein particle properties
	Jeroen BOEVE, Loic BUYSE, Iris JOYE
pMC-6	KU Leuven, Belgium
pMC-0	Influence of pH on the emulsifying properties of aqueous extract of Rhyncophorus phoenicis Larvae Aymar FOGANG MBA, Michele VIAU, Elisabeth DAVID-BRIAND, Gustave DEMMANO, Germain KANSCI, Claude GENOT University of Yaound€, France
MC-7	Rheology of emulsions stabilized by the electrochable in the
	Rheology of emulsions stabilized by the electrostatic interaction between pectin and whey protein concentrate with ultrasound application
	Kivia ALBANO, Vania TELIS
MC-8	Sao Paulo University, Sao Paulo
	Rheological behaviour of emulsions stabilized by the electrostatic interaction between sodium alginate and whey protein concentrate subjected to sonication
	Kivia ALBANO, Caroline OLIVEIRA, Vania TELIS
	São Paulo State University Brazil
MC-9	Behaviour of soy protein isolate/high-methoxyl pectin complexes as affected by pH and protein concentration
	concentration Consenses as affected by pH and protein
	<u>Mirian FREITAS,</u> Kivia ALBANO, Vania TELIS Sao Paulo State University, Brazil
MC-10	Encapsulatin of iron for fortilization (
	Encapsulatin of iron for fortification of plant-based structured foods Patricia DUQUE ESTRADA, Raif DE MELLARDA PLEDIFICATION CONTROLLED TO C
10.11	Patricia DUQUE ESTRADA, Ralf DE MEIJ, Anna PIERUCCI, Claire BERTON-CARABIN, Atze-Jan VAN DER GOOT Wageningen University, the Netherlands
MC-11	Incorporation of solid lipid nanoparticles (SLN) in protein gels: Impact on water holding capactiy and
	Versea WIEDERMANNE
	Verena WIEDENMANN, Kathleen OEHLKE, Ralf GREINER, Heike SCHUCHMANN Max Rubner Institute, Germany
MC-12	Foam-mat Freeze-drying of black
	Foam-mat Freeze-drying of blackcurrant juice: anthocyanin survival and drying analysis Diana SALGADO, Rammile ETTELAIE, Peter HO, Brent Murray University of Leeds 118
4C 12	University of Leeds, UK
1C-13	Solvency Effects on biopolymer interactions
	English Gold I A Evellen Bell INC D
1C-14	University of Leeds, UK Proteins about NG, Brent MURRAY, Johan MATTSSON
	Proteins characterization of sparkling cider and study their foam behavior Giovanna LOMOLINO, Andrea CURIONI, Gabriella PASANIA Manual Company of the compa
	Giovanna LOMOLINO, Andrea CURIONI, Gabriella PASINI, Mara VEGRO, Simone VINCENZI Rheology of head degli Studi di Padoca, Italy
IC-15	Kneology of heat-induced engage
	Rheology of heat-induced egg yolk gels as affected by phenolic compounds Carla DI MATTIA, Veronica GIACINTUCCI, Valerio CEROLINI, Giampiero SACCHETTI, Paola PITTIA Fotorina his
C-16	University of Teramo, Italy
C 10	Votering pionolymer interests
	Amparo LOPEZ-RUBIO, Paula TARANCON, Laura GOMEZ-MASCADAGOS
	Amparo LOPEZ-RUBIO, Paula TARANCON, Laura GOMEZ-MASCARAQUE, Maria FABRA, Marta MARTINEZ-SANZ, Susana Institute of Agrochemistry and 5
C-17	Institute of Agrochemistry and Food Technology, Spain Controlled release of water solutions and solutions are solutions.
	Controlled release of water soluble vitamins in high solid polysaccharides with co-solutes Naksit PANYOYAI, Anna BANNIKOVA, Darryl SMALL, Stefan KASADIS
C-18	Effect of Biopolymers Street
	Polysaccharide/Co-Solute System
IC-19	RMIT University, Australia
- 13	Gelation of WPI (Whey Protein Isolate) Aggregates in the Sodium Caseinate Matrix: Kinetics and Structure Anna KHARI AMOVA. To allow the Sodium Caseinate Matrix: Kinetics and Structure
	Appa Kuan
C-20	Universite du Maine, France
	Effect of composition of outer water phase (w2) on yield of double emulsions (w1/o/w2) Anika OPPERMANN, Markus STIEGER, Elke SCHOLTEN Wageningen University, The Nothers,





MC-21	Structure engineering of oil-filled protein microbeads to tailor release of hydrophobic compounds in gastric
pMC-21	digestion SER LINDEN, L. SAGIS
	digestion P. VAN LEUSDEN, G. DEN HARTOG, A. BAST, M. POSTEMA, E. VAN DER LINDEN, L. SAGIS Noncologie Value in the Notherlands
	Wageningen University, the Netherlands Influencing texture and microstructure
pMC-22	Wagenings University, the Netherlands Insights Into the mechanism of myofibrillar protein gel stability: Influencing texture and microstructure
110 22	using a model nydrophine mier
	Andrew GRAVELLE, Shal BARBUT, Alejandro MARANGONI
	University of Guelph, Canada
MC-23	
110 20	
	University of Guelph, Canada (Origanum majorana) extracts
MC-24	Protein matrices ensure safe and functional delivery of marjoram (Origanum majorana) extracts Protein matrices ensure safe and functional delivery of marjoram (Origanum majorana) extracts Elena ARRANZ, Anilda GURI, Marisol VILLALVA, Laura JAIME, Guillermo REGLERO, Sasana SANTOYO, Milena CORREDIO Elena ARRANZ, Capada
110 21	Fiena ARRANZ, Anilda GURI, Marisol VILLALVA, Laura JAIME, Guillerino VI
	University of Guelph, Canada Stabilising properties of whey protein covalently bonded with lactose via Maillard reaction Stabilising properties of whey protein covalently bonded with lactose via Maillard reaction
MC-25	Stabilising properties of whey protein covalently bonded with 1500
110 20	RIII DING. Mahimood Akhirak, kahiring 2.
	University of Leeds, UK
MC-26	University of Leeds, UK Encapsulation of Liquorice Extract in Water-in-Oil-in-Water Multiple Emulsion
	Mahmood AKHTAR, Justine SEGUI
	Mahmood AKHTAR, Justine SEGUI University of Leeds, UK Characterization of Functionalized and Non-Functionalized Carvacrol-loaded colloids used to Inactivate Characterization of Functionalized and Non-Functionalized Carvacrol-loaded Colloids used to Inactivate Characterization of Functionalized and Non-Functionalized Carvacrol-loaded Colloids used to Inactivate Characterization of Functionalized and Non-Functionalized Carvacrol-loaded Colloids used to Inactivate
MC-27	Characterization of Functionalized and Non-Functionalized and
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	Veronica RODRIGUEZ-MARTINEZ, Bruce APPLEGATE, Jemes, 1997
	Fernanda SAN MARTIN-GONZALEZ
	Fernanda SAN MARTIN-GONZALEZ Purdue University, USA Impact of type and concentration of cellulose derivatives on the rheological behavior of the batter of a
MC-28	Impact of type and concentration of cellulose delivers
pric 20	model sponge cake
	model sponge cake Josselin BOUSQUIERES, Catherine BONAZZI, Camille MICHON Josselin BOUSQUIERES, Catherine BONAZZI, Camille MICHON
	INRA, France Convinity Electrospun Starch Fibers for Oral Delivery of Bloactive Espida
pMC-29	Josselin BOUSQUIERES, Catherine BONAZZI, Commercial States of Coaxially Electrospun Starch Fibers for Oral Delivery of Bioactive Lipids Evaluating the Digestive Fate of Coaxially Electrospun Starch Fibers for Oral Delivery of Bioactive Lipids Evaluating the Digestive Fate of Coaxially Electrospun Starch Fibers for Oral Delivery of Bioactive Lipids
	Technion - Israel Institute of Technology, Israel