

**ORAL SESSIONS .....27**

**L1**  
**TECHNICAL REGULATORY DEVELOPMENTS: ACRYLAMIDE, 3-MCPD, 2-MCPD AND GLYCIDYL FATTY ACID ESTERS AS WELL AS FURAN - AN INDUSTRY PERSPECTIVE**  
Beate Kettlitz<sup>1\*</sup> ..... 29

**L2**  
**FORMATION AND METABOLIZATION OF GLYCATED AMINO ACIDS IN THE BREWING PROCESS**  
Michael Hellwig<sup>1\*</sup>, Marie Börner<sup>2</sup>, Sophia Witte<sup>3</sup>, Falco Beer<sup>4</sup>, Thomas Henle<sup>5</sup> ..... 31

**L3**  
**THERMAL DECOMPOSITION AND THE FORMATION OF DEGRADATION PRODUCTS OF T-2 AND HT-2 TOXIN DURING PROCESSING OF OATS**  
Henning Sören Schmidt<sup>1</sup>, Benedikt Cramer<sup>2</sup>, Hans-Ulrich Humpf<sup>3\*</sup> ..... 32

**L4**  
**HYDROLYSIS OF VICINE AND CONVICINE IN FABA BEAN SUSPENSIONS AND SOURDOUGHS**  
Marjo Pulkkinen<sup>1\*</sup>, Rossana Coda<sup>2</sup>, Anna-Maija Lampi<sup>3</sup>, Kati Katina<sup>4</sup>, Vieno Piironen<sup>5</sup> ..... 33

**L5**  
**THE RELATIONSHIP BETWEEN DOUGH COMPOSITION AND 3-MCPD ESTERS CONTENT IN COOKIES**  
Beverly Belkova<sup>1\*</sup>, Martina Kuralova<sup>2</sup>, Jaromir Hradecky<sup>3</sup>, Katerina Mastovska<sup>4</sup>, Jana Hajslova<sup>5</sup> ..... 34

**L6**  
**NEW NATURAL SEASONINGS FROM WINE POMACE TO INHIBIT LIPID AND PROTEIN OXIDATION DURING STORAGE OF BEEF PATTIES**  
Javier García-Lomillo<sup>1\*</sup>, M<sup>a</sup> Luisa González-SanJosé<sup>2</sup>, Miriam Ortigas-Heras<sup>3</sup>, Sisse Jongberg<sup>4</sup>, Leif Skibsted<sup>5</sup>, Raquel Del Pino-García<sup>6</sup>, María D. Rivero-Pérez<sup>7</sup>, Pilar Muñiz<sup>8</sup> ..... 35

**L7**  
**FORMATION AND ANALYSIS OF DESIRED AROMA-ACTIVE AND UNDESIRED FOOD-BORNE TOXICANTS DURING FOOD PROCESSING**  
Michael Granvogl<sup>1\*</sup> ..... 36

**L8**  
**MITIGATION OF AFLATOXINS CONTENT: IN SILICO ANALYSIS AS THE FIRST STEP IN THE ENZYMES-BASED STRATEGIES**  
Luca Dellaflora<sup>1</sup>, Gianni Galaverna<sup>2</sup>, Chiara Dall'Asta<sup>3</sup> ..... 37

**L9**  
**WHEN FLAVOR TURNS INTO COLOR: NEW INSIGHTS ON (ETHYL)VANILLIN CHEMISTRY IN FOODS**  
Marco Arlorio<sup>1\*</sup>, Roberto Negri<sup>2</sup>, Giorgia del Favero<sup>3</sup>, Jean Daniel Coisson<sup>4</sup>, Fabiano Travaglia<sup>5</sup>, Vural Gokmen<sup>6</sup>, Doris Doris<sup>7</sup>, Giovanni Battista Giovenzana<sup>8</sup> ..... 38

**L10**  
**NEW INSIGHTS INTO FRUIT CULTIVATION AND PROCESSING BASED ON PRODUCT FLAVOUR**  
Barbara Siegmund<sup>1\*</sup> ..... 39

**L11**  
**FLAVOUR GENERATION UPON FOOD PROCESSING - REVEALING THE REACTION PATHWAYS IN COMPLEX FOOD SYSTEMS**  
Tomas Davidek<sup>1\*</sup>, Luigi Poisson<sup>2</sup>, Frédéric Mestdagh<sup>3</sup>, Imre Blank<sup>4</sup> ..... 40

**L12**  
**FACTORS INFLUENCING THE KEY AROMA COMPOUNDS OF RUM**  
Laura Franitza<sup>1</sup>, Michael Granvogl<sup>2</sup>, Peter Schieberle<sup>3\*</sup> ..... 41

**L13**  
**HOW TO PRODUCE FLAVORS AND FRAGRANCES FROM ALPHA-PINENE - DESIGN THE LIPASE-BASED CATALYST FOR SELECTIVE BIOCATALYTIC OXIDATION OF ALPHA-PINENE**  
Madalina Tudorache<sup>1\*</sup>, Alina Negoii<sup>2</sup>, Andreea Gheorghe<sup>3</sup>, Madalin Enache<sup>4</sup>, Gabriel-Mihai Maria<sup>5</sup>, Ana Viana<sup>6</sup>, Vasile Parvulescu<sup>7</sup> ..... 42

**L14**  
**ELUCIDATION OF THE FUSTY/MUSTY OFF-FLAVOR IN NATIVE COLD-PRESSED RAPESEED OILS FOR THE DEVELOPMENT OF A QUICK METHOD FOR QUALITY CONTROL**  
Katrin Matheis<sup>1</sup>, Michael Granvogl<sup>2\*</sup> ..... 43

**L15**  
**FURFURYL ALCOHOL FORMATION DURING ROASTING OF COFFEE**  
Abdullatif Albouchi<sup>1\*</sup>, Michael Murkovic<sup>2</sup> ..... 44

**L16**  
**ADDITION OF ANTIOXIDANTS IN COOKED MEAT: MITIGATION OF HETEROCYCLIC AROMATIC AMINES AND SENSORY EFFECTS**  
Maïa Meurillon<sup>1\*</sup>, Chloé Anderson<sup>2</sup>, Magaly Angenieux<sup>3</sup>, Frédéric Mercier<sup>4</sup>, Nathalie Kondjoyan<sup>5</sup>, Sylvie Chevolleau<sup>6</sup>, Laurent Debrauwer<sup>7</sup>, Erwan Engel<sup>8</sup> ..... 45



<b>L17</b>	<b>CASEIN AND CASEIN MICELLES: STRUCTURES, FUNCTIONS, FUNCTIONALIZATION</b>	
	<i>Thomas Henle</i> <sup>1*</sup> .....	46
<b>L18</b>	<b>TRANSGLYCOSYLATION REACTIONS, A MAIN MECHANISM OF PHENOLICS INCORPORATION IN COFFEE MELANOIDINS AND THEIR INHIBITION BY MAILLARD REACTION</b>	
	<i>Manuel A. Coimbra</i> <sup>1*</sup> .....	47
<b>L19</b>	<b>RELATIONSHIPS BETWEEN ANTIOXIDANT EFFICIENCIES IN EMULSIONS AND THEIR INTERFACIAL ANTIOXIDANT CONCENTRATIONS. APPLICATION OF THE PSEUDOPHASE KINETIC MODEL</b>	
	<i>Carlos Bravo-Díaz</i> <sup>1*</sup> , <i>Sonia Losada-Barreiro</i> <sup>2</sup> , <i>Marlene Costa</i> <sup>3</sup> , <i>Fátima Paiva-Martins</i> <sup>4</sup> , <i>Laurence S. Romsted</i> <sup>5</sup> ...	48
<b>L20</b>	<b>INTERFACIAL CONCENTRATIONS OF PHENOLIC ANTIOXIDANTS IN MODEL FOOD EMULSIONS: EFFECTS OF ACIDITY AND SURFACTANT CONCENTRATION</b>	
	<i>Carlos Bravo-Díaz</i> <sup>1*</sup> , <i>Sonia Losada-Barreiro</i> <sup>2</sup> , <i>Fátima Paiva-Martins</i> <sup>3</sup> , <i>Laurence S. Romsted</i> <sup>4</sup> .....	49
<b>L21</b>	<b>REACTIVITY OF FREE MALONDIALDEHYDE IN OIL-IN-WATER EMULSIONS DURING IN VITRO DIGESTION</b>	
	<i>Angelique Vandemoortele</i> <sup>1</sup> , <i>Bruno De Meulenaer</i> <sup>2*</sup> .....	50
<b>L22</b>	<b>LIPID OXIDATION REACTIONS IN FAT-RICH FOODS: IS THE CURRENT ANALYTICAL TOOLBOX SUFFICIENT</b>	
	<i>Hans-Gerd Janssen</i> <sup>1*</sup> .....	51
<b>L23</b>	<b>MINOR COMPOUNDS AS MARKERS OF PURITY AND QUALITY OF EDIBLE FATS AND OILS: RECENT DEVELOPMENTS</b>	
	<i>Lanfranco Conte</i> <sup>1*</sup> , <i>Paolo Lucci</i> <sup>2</sup> , <i>Sabrina Moret</i> <sup>3</sup> , <i>Erica Moret</i> <sup>4</sup> , <i>Ornella Boschelle</i> <sup>5</sup> .....	52
<b>L24</b>	<b>COLD PRESSED OILS: MORE UNDERSTANDING OF THE CHEMISTRY BEHIND NEEDED</b>	
	<i>Jana Hajslova</i> <sup>1*</sup> , <i>Kamila Hurkova</i> <sup>2</sup> , <i>Anna Gracka</i> <sup>3</sup> , <i>Henryk Jelen</i> <sup>4</sup> , <i>Leos Uttl</i> <sup>5</sup> , <i>Jaromir Hradecky</i> <sup>6</sup> , <i>Eliska Kludska</i> <sup>7</sup> .....	53
<b>L25</b>	<b>HEAT LOAD OF EXTENDED SHELF LIFE (ESL) MILK AND CREAM IN AUSTRIA</b>	
	<i>Helmut K. Mayer</i> <sup>1*</sup> , <i>Lisa I. Boitz</i> <sup>2</sup> .....	54
<b>L26</b>	<b>CHEMICAL REACTIONS IN COOKED FOODS: THE CONSEQUENCES ON DIGESTIBILITY</b>	
	<i>Vincenzo Fogliano</i> <sup>1*</sup> .....	55
<b>L27</b>	<b>PROTEIN OXIDATION IN FOODS</b>	
	<i>Marina Heinonen</i> <sup>1*</sup> , <i>Tuuli Koivumäki</i> <sup>2</sup> , <i>Göker Gürbüz</i> <sup>3</sup> , <i>Bei Wang</i> <sup>4</sup> .....	56
<b>L28</b>	<b>THE QUALITY OF LOW LACTOSE MILK IS AFFECTED BY THE SIDE PROTEOLYTIC ACTIVITY OF THE LACTASE USED IN THE PRODUCTION PROCESS</b>	
	<i>Antonio Dario Troise</i> <sup>1*</sup> , <i>Enrica Bandini</i> <sup>2</sup> , <i>Roberta De Donno</i> <sup>3</sup> , <i>Geert Meijer</i> <sup>4</sup> , <i>Marco Trezzi</i> <sup>5</sup> , <i>Vincenzo Fogliano</i> <sup>6</sup> .....	57
<b>L29</b>	<b>NOVEL AND HIGHLY SENSITIVE MARKER PEPTIDES TO PREDICT THE INDUSTRIAL HEAT TREATMENT OF MILK</b>	
	<i>Sevim Dalabasmaz</i> <sup>1*</sup> , <i>Monika Pischetsrieder</i> <sup>2</sup> .....	58
<b>L30</b>	<b>OHMIC HEATING: A PROMISING TECHNOLOGY FOR MINIMIZATION OF FURAN FORMATION IN STERILIZED VEGETABLE / MEAT BABY FOOD</b>	
	<i>Jaromir Hradecky</i> <sup>1*</sup> , <i>Eliska Kludska</i> <sup>2</sup> , <i>Jana Hajslova</i> <sup>3</sup> .....	59
<b>L31</b>	<b>ADDITION OF SODIUM ASCORBATE, CITRIC AND ASCORBIC ACIDS TO EXTEND THE SHELF-LIFE OF TUNA MEAT FISH IS A RISK OR A BENEFIT FOR CONSUMERS?</b>	
	<i>Mila Nocentini</i> <sup>1</sup> , <i>Claudia Focardi</i> <sup>2</sup> , <i>Giulietta Smulevich</i> <sup>3*</sup> , <i>Enrica Droghetti</i> <sup>4</sup> .....	60
<b>L32</b>	<b>USE OF PECTIC POLYSACCHARIDES AS AN ACRYLAMIDE MITIGATION STRATEGY - COMPETITION BETWEEN SUGAR ALDEHYDE AND CARBOXYLIC GROUPS</b>	
	<i>Claudia Passos</i> <sup>1*</sup> , <i>Sónia Ferreira</i> <sup>2</sup> , <i>António Serôdio</i> <sup>3</sup> , <i>Eva Basil</i> <sup>4</sup> , <i>Lucie Marková</i> <sup>5</sup> , <i>Kristina Kukurová</i> <sup>6</sup> , <i>Zuzana Ciesarová</i> <sup>7</sup> , <i>Manuel Coimbra</i> <sup>8</sup> .....	61
<b>L33</b>	<b>ANTIBACTERIAL ACTIVITY OF PRENYLATED ISOFLAVONOIDS FROM LEGUME SEEDLINGS STRESSED BY RHIZOPUS</b>	
	<i>Harry Gruppen</i> <sup>1*</sup> , <i>Carla Araya-Cloutier</i> <sup>2</sup> , <i>Heidy den Besten</i> <sup>3</sup> , <i>Gijs Schaftenaar</i> <sup>4</sup> , <i>Jean-Paul Vincken</i> <sup>5</sup> .....	62



<b>L34</b>	<b>REVEALING POLYPHENOL-PROFILE AND ANTIMICROBIAL ACTIVITY OF SELECTED PROPOLIS SAMPLES, UNDERPINNING PLAUSIBLE IMPLICATIONS IN HEALTH-PROMOTING FOOD PRODUCTS</b>	
	<i>Attila Kiss</i> <sup>1*</sup> , Szabolcs Molnár <sup>2</sup> , Kata Mikuska <sup>3</sup> , Katalin Patonay <sup>4</sup> , Krisztina Sisa <sup>5</sup> , Erzsébet Némedi <sup>6</sup> .....	63
<b>L35</b>	<b>CHINESE HAWTHORN (<i>CRATAEGUS PINNATIFIDA</i>) FRUIT: A POTENTIAL NOVEL FOOD?</b>	
	<i>Kamila Hurkova</i> <sup>1*</sup> , Monika Jiru <sup>2</sup> , Petra Slavikova <sup>3</sup> , Milena Stranska-Zachariasova <sup>4</sup> , Jana Hajslova <sup>5</sup> .....	64
<b>L36</b>	<b>DETERMINATION OF THE ORIGIN FOR ANTHRAQUINONE IN ORGANIC TEA PRODUCTION</b>	
	<i>Anna Romanotto</i> <sup>1</sup> , Kathrin Gassert <sup>2*</sup> .....	65
<b>L37</b>	<b>LIGNANS IN VIRGIN OLIVE OILS: EFFECT OF REFINING PROCESS AND FRAUDS</b>	
	Lorenzo Cecchi <sup>1</sup> , Marzia Innocenti <sup>2</sup> , Fabrizio Melani <sup>3</sup> , Marzia Migliorini <sup>4</sup> , Lanfranco Conte <sup>5</sup> , <i>Nadia Mulinacci</i> <sup>6*</sup> .....	66
<b>L38</b>	<b>FORMATION OF EPOXY FATTY ACIDS DURING PHOTO-OXIDATION IN OIL IN WATER EMULSIONS</b>	
	<i>Phuong Pham</i> <sup>1</sup> , Bruno De Meulenaer <sup>2*</sup> .....	67
<b>L39</b>	<b>METABOLIC CHANGES DURING STORAGE OF RAPESEEDS AND CONSEQUENCES FOR THE QUALITY OF THE RESULTING VIRGIN, COLD-PRESSED OIL</b>	
	<i>Anja Bonte</i> <sup>1*</sup> , Rabea Schweiger <sup>2</sup> , Fei Ma <sup>3</sup> , Claudia Wagner <sup>4</sup> , Ludger Brühl <sup>5</sup> , Caroline Müller <sup>6</sup> , Bertrand Matthäus <sup>7</sup> , Caroline Pons <sup>8</sup> .....	68
<b>L40</b>	<b>OXIDATION OF FATTY ACIDS IN BULK TRIGLICERIDES PHASES</b>	
	<i>Marini Damanik</i> <sup>1*</sup> , Michael Murkovic <sup>2</sup> .....	69
<b>L41</b>	<b>THE UNIQUE CHEMISTRY OF MANUKA HONEY (<i>LEPTOSPERMUM SCOPARIUM</i>)</b>	
	<i>Jana Rückriemen</i> <sup>1</sup> , Uwe Schwarzenbolz <sup>2</sup> , Christoph Hohmann <sup>3</sup> , Michael Hellwig <sup>4</sup> , Thomas Henle <sup>5*</sup> .....	70
<b>POSTER SESSION .....</b>		<b>71</b>
<b>P1</b>	<b>EFFECT OF VARIOUS COOKING TECHNOLOGIES ON QUALITY AND STARCH NUTRITIONAL PROPERTIES OF PULSES</b>	
	<i>Sanaa Ragaei</i> <sup>1*</sup> , El-Sayed Abdel-Aal <sup>2</sup> .....	73
<b>P2</b>	<b>VOLATILE COMPOUNDS PROFILE OF MICROWAVE TREATED TART CHERRY PUREES WITH ADDITION OF SUGARS DURING STORAGE</b>	
	Anita Pichler <sup>1</sup> , Ivana Ivić <sup>2</sup> , Josip Šimunović <sup>3</sup> , <i>Mirela Kopjar</i> <sup>4*</sup> .....	74
<b>P3</b>	<b>TEXTURE AND AROMA PROFILE OF SOUR CHERRY FILLINGS</b>	
	<i>Anita Pichler</i> <sup>1*</sup> , Ivana Ivić <sup>2</sup> , Mirela Kopjar <sup>3</sup> .....	75
<b>P4</b>	<b>AROMATIC PROFILE OF RASPBERRY CREAM FILLINGS WITH SUGARS, MODIFIED STARCHES AND HYDROCOLLOIDS</b>	
	<i>Anita Pichler</i> <sup>1*</sup> , Anita Kerekeš <sup>2</sup> , Tijana Pinkle <sup>3</sup> , Mirela Kopjar <sup>4</sup> .....	76
<b>P5</b>	<b>TEXTURAL PROPERTIES OF MODEL SYSTEMS OF HYDROCOLLOIDS AND SUGARS</b>	
	<i>Mirela Kopjar</i> <sup>1*</sup> , Anita Pichler <sup>2</sup> .....	77
<b>P6</b>	<b>FREE MCPDS, THEIR ESTERS AND GLYCIDYL-ESTERS IN FOOD: PRECISION AND ACCURACY FOR MONITORING FOOD PRODUCTS AND MITIGATION PROCESSES</b>	
	<i>Emiliano De Dominicis</i> <sup>1*</sup> , Alberto Stocco <sup>2</sup> , Elena Barolo <sup>3</sup> , Claudia Piazza <sup>4</sup> , Jean-Baptiste Gay <sup>5</sup> .....	78
<b>P7</b>	<b>PROMOTION OF MAILLARD REACTIONS BY CHITOSAN-GENIPIN FILMS IN MODEL WINE SOLUTIONS</b>	
	<i>M. Angélica M. Rocha</i> <sup>1</sup> , Cláudia Nunes <sup>2*</sup> , Manuel A. Coimbra <sup>3</sup> .....	79
<b>P8</b>	<b>PESTICIDES HOUSEHOLD PROCESSING FACTORS OF NATURALLY CONTAMINATED FRESH TOMATOES AND APPLES</b>	
	<i>Maria Rosa Repetti</i> <sup>1*</sup> , Vanesa La Barba <sup>2</sup> , Dario Maggioni <sup>3</sup> , Melina Michlig <sup>4</sup> , Florencia Magni <sup>5</sup> , Horacio Beldoménico <sup>6</sup> .....	80



<b>P9</b>	<b>REDUCTION AND TRANSFORMATION OF DEOXYNIVALENOL DURING THERMAL PROCESSING</b> David Stadler <sup>1</sup> , Alexandra Malachova <sup>2*</sup> , Franz Berthiller <sup>3</sup> , Rainer Schuhmacher <sup>4</sup> , Christoph Büschl <sup>5</sup> , Michele Suman <sup>6</sup> , Francesca Lambertini <sup>7</sup> , Rudolf Krška <sup>8</sup> .....	81
<b>P10</b>	<b>AUTHENTICATION OF MEAT AND MEAT PRODUCTS USING LC-MS/MS - TARGET PROTEOMIC ANALYSIS APPROACH</b> Štěpán Czornyj <sup>1</sup> , Eva Forejtová <sup>2</sup> , Soňa Baršová <sup>3*</sup> .....	82
<b>P11</b>	<b>ANALYSIS OF CHEMICAL COMPOSITIONS AND CORDYCEPIN IN TOCHUKASO MUSHROOM</b> Hyo-Nam Song <sup>1*</sup> , Tae-Young Kim <sup>2</sup> .....	83
<b>P12</b>	<b>GELATION OF FUNCTIONALIZED CASEIN - INFLUENCE OF MAILLARD REACTION AND ENZYME-CATALYZED PROTEIN CROSS-LINKING</b> Thomas Henle <sup>1*</sup> , Mariella Hannß <sup>2</sup> , Natalie Hubbe <sup>3</sup> .....	84
<b>P13</b>	<b>INFLUENCE OF CYCLODEXTRINS ON ACE-INHIBITORY DIPEPTIDES PRESENT IN PROTEIN HYDROLYSATES</b> Thomas Henle <sup>1*</sup> , Steffi Rudolph <sup>2</sup> , Edris Riedel <sup>3</sup> .....	85
<b>P14</b>	<b>FREE MAILLARD REACTION PRODUCTS IN MILK FROM "ORGANIC" AND "CONVENTIONAL" FARMING</b> Thomas Hofmann <sup>1*</sup> , Uwe Schwarzenbolz <sup>2</sup> , Nina Sparmann <sup>3</sup> , Thomas Henle <sup>4</sup> .....	86
<b>P15</b>	<b>NEW SEASONING FROM WINE POMACE PROMOTES THE FORMATION OF PYRAZINES IN BARBECUED BEEF PATTIES</b> Javier García-Lomillo <sup>1*</sup> , M <sup>a</sup> Luisa González-SanJosé <sup>2</sup> , Miriam Ortigas-Heras <sup>3</sup> , Raquel Del Pino-García <sup>4</sup> , M <sup>a</sup> Dolores Rivero-Pérez <sup>5</sup> , Pilar Muñoz-Rodríguez <sup>6</sup> .....	87
<b>P16</b>	<b>PHYSICOCHEMICAL PROPERTIES OF DRIED ARONIA FRUIT BY DECOMPRESSED HEAT PUMP DRYER (DHPD)</b> Hyun-Chol Jung <sup>1</sup> , Sang-Yeol Kim <sup>2</sup> , Sang-Ro Lee <sup>3</sup> , Hyo-Nam Song <sup>4*</sup> .....	88
<b>P17</b>	<b>IDENTIFICATION OF BIPHENYLS - CONTAMINANTS RESPONSIBLE FOR OFF-FLAVOUR IN SOFT DRINKS</b> Helena Cizkova <sup>1*</sup> , Vojtech Kruzik <sup>2</sup> , Iveta Sistkova <sup>3</sup> .....	89
<b>P18</b>	<b>EVALUATION OF COCOA PRODUCTS QUALITY AND AUTHENTICITY BY DART/TOF-MS</b> Jana Prchalova <sup>1</sup> , Frantisek Kovarik <sup>2</sup> , Helena Cizkova <sup>3</sup> , Zuzana Dvorakova <sup>4</sup> , Ales Rajchl <sup>5*</sup> .....	90
<b>P19</b>	<b>FUMIGATION TOXICITY OF PINUS CEMBRA L. AND P. SYLVESTRIS L. ESSENTIAL OILS ON THE STORED PRODUCT INSECT ORYZAEPHILUS SURINAMENSIS L.</b> Katharina Müllner <sup>1*</sup> , Cornelia Rieder-Gradinger <sup>2</sup> , Ingrid Steiner <sup>3</sup> .....	91
<b>P20</b>	<b>UNRAVELLING COMPLEX REACTION PATHWAYS - FATE OF 14C-LABELLED AGROCHEMICALS IN FOOD PROCESSING - FIRST RESULTS</b> Bernd Göckener <sup>1</sup> , Mark Bücking <sup>2*</sup> , Matthias Kotthoff <sup>3</sup> .....	92
<b>P21</b>	<b>UTILIZATION OF OLIVE LEAVES AS NATURAL ANTIOXIDANT IN COOKIES</b> Serpil Öztürk <sup>1*</sup> , Sevtap Karabulut <sup>2</sup> , Oğuz Acar <sup>3</sup> .....	93
<b>P22</b>	<b>FORMATION OF MAILLARD REACTION PRODUCTS DURING ROASTING OF HAZELNUTS</b> Sophia Witte <sup>1</sup> , Thomas Henle <sup>2*</sup> .....	94
<b>P23</b>	<b>ENZYMATIC CROSSLINKING OF CASEIN MICELLES UNDER ALKALINE CONDITIONS</b> Anja Dürasch <sup>1</sup> , Jana Wissel <sup>2</sup> , Thomas Henle <sup>3*</sup> .....	95
<b>P24</b>	<b>INFLUENCE OF THE CASEIN MICELLE STRUCTURE ON THE MAILLARD REACTION</b> Ulrike Möckel <sup>1*</sup> , Anja Dürasch <sup>2</sup> , Thomas Henle <sup>3</sup> .....	96
<b>P25</b>	<b>BIODEGRADABILITY OF TOXIC COMPOUNDS OF SEEDS FROM BRAZILIAN FRUITS AFTER NATURAL SOLID-STATE FERMENTATION</b> Armando Garcia-Rodriguez <sup>1*</sup> , Luciana Casaletti <sup>2</sup> , Gustavo Henrique Ferreira-Santos <sup>3</sup> , Kauan Menezes-Milhomem <sup>4</sup> , José Daniel Gonçalves-Vieira <sup>5</sup> , Kátia Flávia Fernandes <sup>6</sup> .....	97
<b>P26</b>	<b>FOOD SECURITY ISSUES AND AG COOPS IN GEORGIA</b> Kakha Nadiradze <sup>1*</sup> .....	98



<b>P27</b>	<b>UNDERSTANDING ROASTING-INDUCED MODIFICATIONS IN COFFEE POLYSACCHARIDES USING MASS SPECTROMETRY</b>	
	<i>Ana S. P. Moreira</i> <sup>1*</sup> , Fernando M. Nunes <sup>2</sup> , M. Rosário, M. Domingues <sup>1</sup> , Manuel A. Coimbra <sup>1</sup> .....	99
<b>P28</b>	<b>FORMATION OF 3,4-DIDEOXYGLUCOSONE-3-ENE IN BEER THROUGH 3-DEOXYHEXOSONE INTERCONVERSION</b>	
	<i>Michael Hellwig</i> <sup>1*</sup> , Sophia Witte <sup>2</sup> , Arndt Nobis <sup>3</sup> , Thomas Henle <sup>4</sup> .....	100
<b>P29</b>	<b>EXAMINATION OF ACRYLAMIDE IN MILK WITH DIFFERENT TYPES OF COFFEE</b>	
	<i>Suzana Stojanovska</i> <sup>1</sup> , Julijana Tomovska <sup>2</sup> .....	101
<b>P30</b>	<b>BIOGENIC AMINES IN DIFFERENT CHEESE VARIETIES RETAILED IN AUSTRIA</b>	
	<i>Helmut K. Mayer</i> <sup>1*</sup> , Gregor Fiechter <sup>2</sup> .....	102
<b>P31</b>	<b>TRANSFER OF CAROTENOIDS FROM SUPPLEMENTED FEED INTO EGGS</b>	
	<i>Lucie Kreichova</i> <sup>1</sup> , Michaela Skopikova <sup>2</sup> , Vera Schulzova <sup>3*</sup> , Milena Stranska-Zachariasova <sup>4</sup> , Jana Hajslova <sup>5</sup> ..	103
<b>P32</b>	<b>THE INFLUENCE THERMAL STABILIZATION ON POPPY SEEDS</b>	
	<i>Marie Bicova</i> <sup>1*</sup> , Michaela Skopikova <sup>2</sup> , Vladimir Kocourek <sup>3</sup> , Jana Hajslova <sup>4</sup> .....	104
<b>P33</b>	<b>PLANT SOURCES OF GALACTOLIPIDS</b>	
	<i>Ales Krmela</i> <sup>1*</sup> , Vera Schulzova <sup>2</sup> , Jana Hajslova <sup>3</sup> .....	105
<b>P34</b>	<b>BIOLOGICALLY ACTIVE CONSTITUENTS IN HEMP OIL AT THE CZECH MARKET</b>	
	<i>Frantisek Benes</i> <sup>1*</sup> , Marie Bicova <sup>2</sup> , Katerina Matejkova <sup>3</sup> , Veronika Krtkova <sup>4</sup> , Jana Hajslova <sup>5</sup> .....	106
<b>P35</b>	<b>AMBIENT MASS SPECTROMETRY EMPLOYING DIRECT ANALYSIS IN REAL TIME (DART) IONIZATION SOURCE FOR MONITORING OF LARD AUTOXIDATION</b>	
	<i>Vojtech Hrbek</i> <sup>1*</sup> , Jan Panek <sup>2</sup> , Jana Hajslova <sup>3</sup> .....	107
<b>P36</b>	<b>CHANGES IN LIPID FRACTION OF CZECH CARP (<i>CYPRINUS CARPIO</i> L.) DURING A LONG-TERM STORAGE</b>	
	<i>Adam Zabloudil</i> <sup>1</sup> , Michaela Rektorisova <sup>2</sup> , Katerina Matejkova <sup>3</sup> , Jana Hajslova <sup>4*</sup> .....	108
<b>P37</b>	<b>PRODUCTION OF CHICKEN MEAT AND EGGS WITH ADDED VALUE - OMEGA-3 PUFA AND ORGANIC SELENIUM ORIGINATING FROM MICROALGAE</b>	
	<i>Monika Jiru</i> <sup>1*</sup> , Milena Stranska-Zachariasova <sup>2</sup> , Jana Kohoutkova <sup>3</sup> , Adam Zabloudil <sup>4</sup> , Richard Koplík <sup>5</sup> , Diomid Revenco <sup>6</sup> , Zuzana Bizova <sup>7</sup> , Jana Hajslova <sup>8</sup> .....	109
<b>P38</b>	<b>HERBAL TEAS: POTENTIAL CONTAMINATION BY PLANT ALKALOIDS</b>	
	<i>Alena Zachariasova</i> <sup>1</sup> , Milena Stranska-Zachariasova <sup>2*</sup> , Petra Slavikova <sup>3</sup> , Jiri Hricko <sup>4</sup> , Jana Hajslova <sup>5</sup> .....	110
<b>P39</b>	<b>PRE- AND POST-HARVEST CHANGES OF S-ALK(EN)YL-L-CYSTEINSULPHOXIDES AND OTHER BIOLOGICALLY ACTIVE COMPOUNDS IN GARLIC</b>	
	<i>Michaela Rektorisova</i> <sup>1*</sup> , Vojtech Hrbek <sup>2</sup> , Jaroslava Ovesna <sup>3</sup> , Jana Hajslova <sup>4</sup> .....	111
<b>P40</b>	<b>PCR-BASED FISH MEAT AUTHENTICATION</b>	
	<i>Diliara Akhatova</i> <sup>1</sup> , <i>Petr Hanak</i> <sup>2*</sup> , Ivana Laknerova <sup>3</sup> , Kamila Zdenkova <sup>4</sup> , Katerina Demnerova <sup>5</sup> .....	112
<b>P41</b>	<b>SHORT STUDY TO VERIFY OF FORMATION OF PHTHALIMIDE FROM PHTHALIC ACID AND AMMONIUM IN PEPPERMINT PLANT</b>	
	<i>Juliane Scholl</i> <sup>1</sup> , Anna Romanotto <sup>2*</sup> , Florian Muetze <sup>3</sup> .....	113
<b>P42</b>	<b>WHEY PROTEIN INTERACTIONS WITH BERRY TANNIN</b>	
	<i>Bei Wang</i> <sup>1*</sup> , <i>Marina Heinonen</i> <sup>2</sup> .....	114
<b>P43</b>	<b>PLASMA LIPIDOME PROVIDES A CLEAR MESSAGE ON PARENTERAL NUTRITION</b>	
	<i>Vit Kosek</i> <sup>1*</sup> , Vojtech Hrbek <sup>2</sup> , Marek Havlicek <sup>3</sup> , Jana Hajslova <sup>4</sup> .....	115
<b>P44</b>	<b>REACTIVE CARBONYL COMPOUNDS IN SUGAR SWEETENERS AND SOFT DRINKS</b>	
	<i>Karel Cejpek</i> <sup>1*</sup> , Veronika Bánovská <sup>2</sup> , Anna Fleglová <sup>3</sup> .....	116
<b>P45</b>	<b>METHYLGLYOXAL AND DIHYDROXYACETONE PRESENT IN MANUKA HONEY (LEPTOSPERMUM SCOPARIUM) ARE INHIBITORS OF JACK BEAN UREASE</b>	
	<i>Jana Rückriemen</i> <sup>1</sup> , Oliver Klemm <sup>2</sup> , Thomas Henle <sup>3</sup> .....	117

P46

**BIOCONTROL OF OCHRATOXIN A DURING COCOA POST-HARVEST TREATMENTS**

Kra Brou Didier Kedjebo<sup>1\*</sup>, Tagro Simplicie Guehi<sup>2</sup>, Pascaline Alter<sup>3</sup>, Noël Durand<sup>4</sup>, Philip Aguilar<sup>5</sup>, Angelique Fontana-Tachon<sup>6</sup>, Didier Montet<sup>7</sup> ..... 118