ISNFF 2025

POSTER PRESENTATIONS
(September 15, 2025)

Poster No	Poster ID	Posters
1	ID: 1047	**Isolation of Bovine Muscle Satellite Cells using Magnetic-Activated Cell Sorting for Cell-Based Meat Production** **Sungkwon Park** * *Food Science & Biotechnology, Sejong University, Seoul, South Korea*
2	ID: 1069	**Structure–Activity Relationship-Based Modulation of Aβ and Tau Pathology by Honokiol: Toward Multi-Target Prevention of Alzheimer's Disease** **Kumju Youn** * [1], **Eunkyo Hur**[2], **Mira Jun**[3] *[1] Department of Food Science and Nutrition, Dong-A University, Busan 49315, Korea; Center for Food & Bio Innovation, Dong-A University, Busan 49315, Korea* *[2] Department of Health Sciences, The graduate School of Dong-A University, Busan 49315, Korea* *[3] Department of Food Science and Nutrition, Dong-A University, Busan 49315, Korea; Center for Food & Bio Innovation, Dong-A University, Busan 49315, Korea; Department of Health Sciences, The graduate School of Dong-A University, Busan 49315, Korea*
3	ID: 1070	**Fucoxanthin Enhances Autophagic Flux and Ferroptosis-Related Antioxidant Defense in an Alzheimer's Disease Model** **Nayoung Lee**[1], **Mira Jun** * [2] *[1] Department of Health Sciences The Graduate School of Dong-A University Busan 49315 Korea* *[2] Department of Health Sciences The Graduate School of Dong-A University Busan 49315 Korea, Department of Food Science and Nutrition Dong-A University Busan 49315 Korea, Center for Food & Bio Innovation Dong-A University Busan 49315 Korea*
4	ID: 1071	**A combination of Lagerstroemia and Cinnamomum vs. Standard Therapy in Prediabetes Management: A Retrospective Data** **Eduward Thendiono** * **, suryadi dharmawan, jeane thendiono-dharmawan** *Bunda Hospital Gorontalo, Gorontalo, Indonesia*
5	ID: 1074	**A Microbial Metabolite n-Butyrate Regulates Intestinal Claudin-23 Expression in Mouse Colon and Human Intestinal Caco-2 Cells** **Wenxi Xu, Dina Mustika Rini, Takuya SUZUKI** * *Graduate School of Integrated Sciences for Life, Hiroshima University, Hiroshima, Japan*
6	ID: 1084	**Lymphatic Absorption of Odd-Chain Plasmalogens from Microbial Sources in the Rat Small Intestine** **Megumi Nishimukai** * [1], **Nana Sato**[1], **Akiko Kashiwagi**[2], **Miwa Miwa**[1] *[1] Iwate University, Morioka, Japan* *[2] Hirosaki University, Hirosaki, Japan*
7	ID: 1085	**Dietary Soybean Fiber Upregulate Antimicrobial Peptides in the Mouse Small Intestine *via* a Tuft Cells-ILC2 Axis**

		Arslan Ahmad [*] **, Bambang Dwi Wijatniko, Adrian Hilman, Claudia Siueia, Yoshiki Ishii, Dina Mustika Rini, Takuya Suzuki** *Graduate School of Integrated Sciences for Life, Hiroshima University, Higashi-Hiroshima, Japan*
8	**ID: 1087**	**Integrative Evaluation of Marine Bioresources for Metabolic Syndrome: Evidence Synthesis and *in vitro* Validation** **Soo Hyun Park[1], Seon Kyeong Park[2], Jae-In Lee[3], Jin-Taek Hwang** [*] [3] [1] *Korea Food Research Institute* [2] *Korea Food Research Institute, Wanju-gun, Jeonbuk-do 55365, Republic of Korea* [3] *Korea Food Research Institute, Republic of Korea*
9	**ID: 1094**	**Novel Anti-atrophic Peptide Isolated from Olive Flounder Surimi as a Nutraceutical Additive against TNF-α Induced Muscle Atrophy** **Nisansala Liyanage** [*] [1]**, D.P Nagahawatta[2], Kyung-yuk Ko[1], You-Jin Jeon[1]** [1] *Department of Marine Life Sciences, Jeju National University, Jeju 690-756, Republic of Korea* [2] *Department of Medicine, Faculty of Medicine and Dentistry, University of Alberta, Edmonton, AB, T6G 2B7, Canada*
10	**ID: 1097**	**Effects of Hydrolysates Derived from Horse Mackerel (*Trachurus japonicus*) By-products on Serum Lipid Contents in Mice** **Shunsuke Sonoda** [*] [1]**, Ryota Hosomi[1], Izumi Iwata[2], Taikai Takahashi[2], Naoki Kadotani[2], Katsuou Kuroki[3], Yuki Murakami[4], Kenji Fukunaga[1]** [1] *Department of Life Science and Biotechnology, Kansai University, Osaka, Japan* [2] *Kadoya Foods Co., Ltd., Japan* [3] *Kandagiko Co., Ltd., Japan* [4] *Department of Hygiene and Public Health, Kansai Medical University, Osaka, Japan*
11	**ID: 1098**	**Tetrahydrocurcumin Improves Perfluorooctanesulfonic Acid-Impaired Glucagon-like Peptide 1 Expression and Intestinal Dysfunction** **Yu-Hsien Hsieh** [*] [1]**, Chi-Tang Ho[2], Ching-Shu Lai[1]** [1] *Department of Seafood Science, National Kaohsiung University of Science and Technology, Kaohsiung, Taiwan* [2] *Department of Food Science, Rutgers University, New Brunswick, NJ, USA*
12	**ID: 1100**	**Marine Bioactive Hydrolysate from Blue Mussel (Mytilus edulis) Promotes Muscle Regeneration** **R.P.G.S.K. Amarasiri** [*] [1]**, Jimin Hyun[2], Sang-Woon Lee[1], Jun-Geon Je[1], Hye Won Yang[1], Young-Sang Kim[1], You-Jin Jeon[1]** [1] *Department of Marine Life Sciences, Jeju National University, Jeju 63243, Republic of Korea* [2] *Department of Food Science and Nutrition, Pukyong National University, Busan 48513, Republic of Korea*
13	**ID: 1103**	**Study on Anti-inflammatory Effects of Ethanol Extract from Diatom Nitzschia cf. Inconspicua *in vitro* and *in vivo*** **Fu Jia** [*] **, Wang Xueyu, Je Jun-Geon, Jeon You-Jin** *Department of Marine Life Sciences, Jeju National University, Jeju Self-Governing Province 63243, Republic of Korea*
14	**ID: 1109**	**Study of Fucoidan from Inedible Brown Seaweed *Sargassum thunbergii* on Immuno-enhancing Effect *in vitro* and *in vivo***

		LI Yiqiao [*] **, Jun-Geon Je, You-Jin Jeon** *Department of Marine Life Sciences, Jeju National University, Jeju Self-Governing Province 63243, Republic of Korea*
15	**ID: 1112**	**Antioxidant Effects of *Pseudoalteromonas piscicida* Extract *via* Nrf2/Keap1 Pathway in Oxidative Stress Zebrafish Models** **JUN-GEON JE** [*] [1]**, R.P.G.S.K. Amarasiri[1], HYO GEUN LEE[2], YOU JIN JEON[1]** [1] *Department of Marine Life Sciences, Jeju National University, Jeju 63243, Korea* [2] *Division of Marine Bio Industrialization, National Marine Biodiversity Institute of Korea, Seocheon 33662, Korea*
16	**ID: 1114**	**Fucoidan from *Ecklonia maxima* Attenuates Particulate Matter-Induced Inflammation *via* TLR-Mediated NF-ƙB/MAPK Pathway Inhibition** **Dinusha Shiromala Dissanayake** [*] [1]**, Dineth Pramuditha Nagahawatta[2], Nisansala Madushani Liyanage[1], Young-Sang Kim[1], Kyung-Yuk Ko[1], You-Jin Jeon[3]** [1] *Department of Marine Life Science, Jeju National University, Jeju, Republic of Korea* [2] *Department of Medicine, Faculty of Medicine and Dentistry, University of Alberta, Edmonton, AB, T6G 2B7, Canada* [3] *Department of Marine Life Science, Jeju National University, Jeju, Repub;ic of Korea*
17	**ID: 1121**	**Therapeutic Potential of Sesame and Perilla unsaponifiable Matter in Non-alcoholic Fatty Liver Disease (NAFLD)** **Junsoo Lee** [*] **, Jihyeon Yang, Hana Lee, Seonghwa Hong** *Department of Food Science and Biotechnology, Chungbuk National University, Cheongju, South Korea*
18	**ID: 1127**	**Type II Collagen from the Cartilage of Sturgeon and Type I Collagen from the Tilapia Skin Modulate Fibroblast Function to Promote Diabetic Wound Healing** **Minhui Wang** [*] **, Chingshu Lai, Meilin Tsai** *Department of Seafood Science, National Kaohsiung University of Science and Technology, No.142, Haijhuan Rd., Nanzih Dist., Kaohsiung City 811157, Taiwan*
19	**ID: 1128**	**Tetrahydrocurcumin Improves Perfluorooctanesulfonic Acid-induced Liver Damage in Adult Mice: Potential Treatment for Nonalcoholic Fatty Liver Disease** **Yu chen Huang** [*] [1]**, Chi-Tang Ho[2], Ching-Shu Lai[1]** [1] *Department of Seafood Science, National Kaohsiung University of Science and Technology, Kaohsiung, Taiwan* [2] *Department of Food Science, Rutgers University, New Brunswick, NJ, USA*
20	**ID: 1142**	**Potential Effects of Tetrahydrocurcumin on Improving Non-Alcoholic Fatty Pancreas Disease** **Chen Jung** [*] [1]**, Ching-Shu Lai[1], Chi-Tang Ho[2]** [1] *National Kaohsiung University of Science and Technology, Kaohsiung, Taiwan* [2] *Department of Food Science, Rutgers University, New Brunswick, NJ, USA*
21	**ID: 1143**	**Fermented Food Products Rich in Vitamin K Derivatives Modulate Cytokine Production in Raw 264.7 Macrophages** **Maja Grabacka, Hayat Hassen, Mathew Auta, Renata B. Kostogrys, Magdalena Franczyk-Żarów** [*] *University of Agriculture in Krakow, 21 A. Mickiewicz Av. 31-120 Krakow, Poland*
22	**ID: 1145**	**An Evaluation of Gum Arabic as a Hyp-Peptide Absorbable Plant-Based Food by Human and Animal Study**

		Kotoko Yamada [*1], **Megumi Hosokawa**[1], **Yu Iwasaki**[2], **Yuki Taga**[2], **Yasutaka Shigemura**[1] [1] *Department of Food and Nutritional Science, Tokyo Kasei University, Japan* [2] *Nippi Research Institute of Biomatrix, Japan*
23	**ID: 1147**	**Type II Collagen from Cartilage of Acipenser baerii Protects Against MGO-Induced Inhibition of Osteoblast Maturation and Bone Matrix Mineralization** **Mei-Ling Tsai** [*1], **Jin-Wen Chen**[1], **Ching-Shu Lai**[1], **Kuo-Chuan Chen**[2] [1] *Department of Seafood Science. National Kaohsiung University of Science and Technology, Kaohsiung, 81157, Taiwan* [2] *TITAN BIOLOGICAL TECHNOLOGYCO., LTD. 4F-7. No. 181, Sec. 2, Taiwan Bivd., West Dist., Taichung City 403, Taiwan*
24	**ID: 1159**	**Evaluation of Multi-Nutrient Formulations for Relieving UVB-Induced Dry Eye Symptoms in a Mouse Model** **Yi-Ling Lin** [*1], **Tsung-Han Lu**[2], **Pei-Yi Lin**[3], **Yi-Yun Hung**[1], **Yen-Ling Sun**[1], **Chan-Yi Yeh**[4], **Han-Hsin Chang**[5], **David Pei-Cheng Lin**[1] [1] *Department of Medical Laboratory and Biotechnology, Chung Shan Medical University, Taichung City, Taiwan* [2] *Institute of Medicine, Chung Shan Medical University, Taichung City, Taiwan* [3] *Department of Biomedical Sciences, Chung Shan Medical University, Taichung City, Taiwan* [4] *Shinemate Co., LTD., Tainan City, Taiwan* [5] *Department of Nutrition, Chung Shan Medical University, Taichung City, Taiwan*
25	**ID: 1160**	**Ishophloroglucin A Alleviates Hyperglycemia by Intracellular Calcium Level in *in-vitro* and *in-vivo* Models** **Hye-Won Yang** [*1], **Bomi Ryu**[2], **You-Jin Jeon**[1] [1] *Department of Marine Life Science, Jeju National University, Jeju, 63243, Republic of Korea* [2] *Department of Major of Food Science and Nutrition, Pukyoung National University, Busan, 48513, Republic of Korea*
26	**ID: 1162**	**Revealing Molecular Mechanism of Guava Leaves in Combating Type 2 Diabetes** **Bincheng HAN** [*] , **Baojun XU** *Food Science and Technology Program, Department of Life Sciences, Beijing Normal-Hong Kong Baptist University, China*
27	**ID: 1163**	**Soyasaponin Ba Alleviates Lipid Accumulation via Mitochondrial Remodeling: Multi-Omics Insights** **Jinhai LUO** [*] , **Baojun XU** *Food Science and Technology Program, Department of Life Sciences, Beijing Normal-Hong Kong Baptist University, China*
28	**ID: 1174**	**Tetrahydrocurcumin Improves the Intestinal Barrier Dysfunction in the Male Offspring with Maternal Di-2-ethylhexyl Phthalate Exposure** **Ching-Shu Lai** [*1], **Yu-Chiao Wang**[1], **Chi-Tang Ho**[2] [1] *Department of Seafood Science, National Kaohsiung University of Science and Technology, Kaohsiung, Taiwan* [2] *Department of Food Science, Rutgers University, New Brunswick, NJ, USA*
29	**ID: 1175**	**The Effect Sprats Addition to the Experimental Diets on Selected Vitamin Content in Serum of Rats** **Urszula Pomietło**[1], **Sylwester Smoleń**[2], **Ewa Piątkowska**[1], **Aneta Kopeć** [*1] [1] *Department of Human Nutrition and Dietetics, Faculty of Food Technology, University of Agriculture in Kraków, Kraków, Poland*

		[2] *Department of Plant Biology and Biotechnology, University of Agriculture in Kraków, Al. Mickiewicza 21, 31-120 Kraków, Poland*
30	**ID: 1181**	**Neuroprotective and Cognitive Function-Enhancing Effects of Sarunashi (*Actinidia arguta*) Fruit-Derived Nanovesicles** **Kanami Sugimura** * **, Mizuho Tanaka, Shigeru Katayama** *Department of Agriculture, Graduate School of Science and Technology, Shinshu University, Japan*
31	**ID: 1182**	**Effect of Phosphorylation of Fag e 2, a Major Buckwheat Allergen, on intestinal IgA Production in Mice** **Kensuke Takamiya** * **, Shigeru Katayama** *Shinshu University, Japan*
32	**ID: 1203**	**Polyphenolic Extracts from South African Medicinal Plants: Antioxidant Capacity, Gut Microbiota Modulation, and Therapeutic Potential against Metabolic Syndrome** **Prof Samson Mashele** * *Central University of Technologye State, South Africa*

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POSTER PRESENTATIONS
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Poster No	Poster ID	Posters
33	ID: 1051	**Effect of Sprouting on the Nutritional Composition and Functional Properties of Pearl Millet (*Pennisetum glaucum*)** **Tawakaltu Abdulrasheed-Adeleke [*] [1], Godwin Jimmy Monday[2]** *[1] Department of Biochemistry, Federal University of Technology, P.M.B. 65, Minna 920001, Niger State, Nigeria; Africa Centre of Excellence for Mycotoxin and Food Safety (ACEMFS), Federal University of Technology, P.M.B. 65, Minna 920001, Niger State, Nigeri* *[2] Department of Biochemistry, Federal University of Technology, P.M.B. 65, Minna 920001, Niger State, Nigeria*
34	ID: 1052	**Development of pH-Responsive Food Packaging from Chitosan Incorporated with Nano-Curcumin and Anthocyanin from Black Mulberry (*Morus nigra* L.)** **Vo Truong Duy Han [*] , Ngoc Lieu Le** *School of Biotechnology, Department of Food Technology, International University - Vietnam National University, Ho Chi Minh City, Vietnam*
35	ID: 1054	**Occurrence and Risk Assessment of Arsenic, Mercury, Cadmium and Lead in Infant Foods in Nigeria** **Hadiza Kudu Muhammad [*] , Susan Bekosai Salubuyi, Famous Ifeanyi Ossamulu, Rahina Garba, Hadiza Lami Muhammad, Hussaini Anthony Makun** *Africa Center of Excellence for Mycotoxin and Food Safety, Department of Biochemistry, Federal University of Technology, Minna, Nigeria*
36	ID: 1060	**Safey Evaluation of Quercetin in Food** **Joon-Goo Lee [*]** *Seoul National University of Science and Technology, Seoul, South Korea*
37	ID: 1061	**Food Consumption in English Medium School Children During Covid-19** **Nabhira Aftabi Binte Islam [*]** *Bangladesh Medical University, Dhaka, Bangladesh*
38	ID: 1068	**Selected Trace Elements Content in Rats Fed Diet with Addition of Sardines** **Urszula Pomietło[1], Ewa Piątkowska[1], Kinga Dziadek[1], Sylwester Smoleń[2], Aneta Kopeć [*] [1]** *[1] Department of Human Nutrition and Dietetics, Faculty of Food Technology, University of Agriculture in Kraków, Kraków, Poland* *[2] Department of Plant Biology and Biotechnology, University of Agriculture in Kraków, Kraków, Poland*
39	ID: 1083	**Effects of Domestic Heating Method on Volatile, Non-Volatile Compounds, and Sensory Profiles of Katuk (*Sauropus androgynus*) Leaves** **Ardy Ardiansyah [*] [1], Daivy Atiya Advisa[1], Agnissa Linggih Cahyani[1], Rizki Maryam Astuti[1], Nurul Asiah[1], Wahyudi David[1], Doddy Dwi Handoko[2], Bram Kusbiantoro[3]** *[1] Department of Food Science and Technology, Universitas Bakrie, Jakarta, Indonesia* *[2] Indonesian Center for Rice Research, Ministry of Agriculture, Subang, Indonesia*

		[3] *Agroindustry Research Center, National Research and Innovation Agency, Tangerang Selatan, Indonesia*
40	**ID: 1096**	**Cold Plasma-Treated Water Enables the Recovery of Bound Phenolics from Red Seaweed (*Mazzaella japonica*): Phenolic Profiling and Antioxidant Assessment** **Abul Hossain** * **, Muhammad Yasir, Anubhav Pratap-Singh** *The University of British Columbia, Vancouver, BC, Canada*
41	**ID: 1106**	**Seasonal Variability in Essential Oil Composition of Scots Pine (*Pinus sylvestris*) Needles Isolated by Hydro-Distillation and Supercritical CO2 Extraction** **Jokūbas Kojelis[1], Laura Jūrienė[2], Renata Baranauskienė[2], Petras Rimantas Venskutonis** * **[2]** [1] *Vilnius Lyceum, Lithuania* [2] *Kaunas University of Technology, Kaunas, Lithuania*
42	**ID: 1116**	**Physicochemical Properties and Biological Activities of Different Parts of *Abelmoschus manihot*** **Jung Yoon Jang** * **, Yeon Jae Jo, Yun Jo Jung, Heon Sang Jeong** *Department of Food Science and Biotechnology, Chungbuk National University, Cheongju, South Korea*
43	**ID: 1117**	**Physicochemical Properties of Sesame and Perilla Seed Meal Protein Hydrolysates** **Eunchae Oh** * **, Yeon Jae Jo, Yun Jo Jung, Heon Sang Jeong** *Department of Food Science and Biotechnology, Chungbuk National University, Cheongju, South Korea*
44	**ID: 1118**	**Optimization of Ingredient Mixing Ratio for Textured Vegetable Protein Based on Isolated Soybean Meal Protein by Mixture Experimental Design** **Dong Hyeon Jeong** * **, Yeon Jae Jo, Yun Jo Jung, Heon Sang Jeong** *Department of Food Science and Biotechnology, Chungbuk National University, Cheongju, South Korea*
45	**ID: 1119**	**Quality Characteristics of Isolated Protein from Soybean (*Glycine max* L. Merr.) Processing By-Products** **Seung Yeon Lee** * **, Yeon Jae Jo, Yun Jo Jung, Heon Sang Jeong** *Department of Food Science and Biotechnology, Chungbuk National University, Cheongju, South Korea*
46	**ID: 1120**	**Physicochemical Properties of Protein Isolate from Defatted Peanut Flour with Different Extraction Conditions** **Gaon Park** * **, Yeon Jae Jo, Yun Jo Jung, Heon Sang Jeong** *Department of Food Science and Biotechnology, Chungbuk National University, Cheongju, South Korea*
47	**ID: 1122**	**Metabolic Engineering of *Saccharomyces cerevisiae* for Co-Fermentation of Mixed Sugars from Lignocellulosic Biomass for Enhanced Bio-Ethanol Production** **Shweta Singh** * **[1], Colin Barrow[1], Brendan Holland[1], Ajay K. Sharma[2]** [1] *Deakin University, Australia* [2] *Indian Oil Corporation Limited, India*
48	**ID: 1123**	**Changes in Polyphenol Content and Antioxidant Activity in Wasabi Flowers at Five Growth Stages from Bud to Post-Blooming**

		China Minoshima [*] [1], **Megumi Hosokawa**[1], **Yuri Nakagawa**[2], **Kenta Suzuki**[3], **Yoshio Sato**[1], **Yasutaka Shigemura**[1] *[1] Department of Food and Nutritional Science, Tokyo Kasei University, Japan* *[2] S&B Foods Inc.* *[3] S&B Foods Inc., Tokyo, Japan*
49	**ID: 1124**	**Upcycling of Discarded Wakame Stipes: Extraction of Fucoidan and Its Ice Recrystallization Inhibition Properties** **Misaki Shiba** [*] **, Mario Shibata, Tomoaki Hagiwara** *Tokyo University of Marine Science and Technology, Tokyo, Japan*
50	**ID: 1139**	***In Vitro* Evaluation of Rosmarinic and Carnosic Acid-Enriched Food Matrices: Antioxidant, Cytoprotective, and Shelf-Life Enhancing Effects** **Olatunji Salako** [*] *University of West Attica, Athens, Greece*
51	**ID: 1140**	**Detection of Rice Derived Major γ-Oryzanol, Cycloartenyl Ferulate and 24-Methylene Cycloartanyl Ferulate in Hen Eggs after Feeding Brown Rice and Rice Oil** **Haruka Oikawa** [*] **, Ayaka Iga, Megumi Hosokawa, Satoshi Miyauchi, Yasutaka Shigemura** *Department of Food and Nutritional Science, Tokyo Kasei University, Osaka, Japan*
52	**ID: 1150**	**Sustainable Fermentation of *Cordyceps militaris* using Agricultural Byproducts to Enhance Functional Bioactives** **Shu-Yao Tsai** [*] **, Hsin-Ling Ko, Shu-Xuan Wang, Liu Yun-An** *Department of Biotechnology, National Formosa University, 64, Wunhua Rd., Huwei Township, Yunlin County, Taiwan*
53	**ID: 1156**	**Ice Recrystallization Inhibition Activity of Mucopolysaccharides Derived from Squid Ink** **Haruna Kinjo** [*] **, Mario Sshibata Shibata, Tomoaki Hagiwara** *Tokyo University of Marine Science and Technology, Tokyo, Japan*
54	**ID: 1169**	**LED-UVB Irradiation at 295 and 310 nm Enhances Vitamin D_2 and Bioactive Compounds in Golden Oyster Mushroom Extracts for Capsule-Based Nutraceutical Development** **Yun-An Liu** [*] [1], **Zhi-Qun Huang**[1], **Erh-Wen Huang**[2], **Chien-Yang Wu**[3], **Shu-Yao Tsai**[1] *[1] Department of Biotechnology, National Formosa University, Yunlin, Taiwan* *[2] LeShroom Corporation Limited, Taipei, Taiwan* *[3] Violumas Taiwan Incorporation, Taoyuan, Taiwan*
55	**ID: 1171**	**Enhancing Oil Retention in Structured Fats *via* MRI and Rheological Characterization** **Farnaz Maleky** [*] **, Siddharth Vishwakarma, Melissa Marsh, Silvana Martini** *Oregon State University, Columbus, OH, USA*
56	**ID: 1187**	**Determination of the Glycemic Index (GI) of Purple Yam (Dioscorea alata) in Vietnam** **Khanh Cao Cong** [*] [1], **Son Tran Cao**[1], **Anh Nguyen Thi Kieu**[2], **Hao Le Thi Hong**[1] *[1] National Institute for Food Control, Hanoi, Vietnam* *[2] Hanoi University of Pharmacy, Hanoi, Vietnam*
57	**ID: 1194**	**Variation in Bioactive Compounds, Antioxidant, and Antimicrobial Activities of Extract of Peel and Pulp of Pakistani Apple Varieties** **Asma Sabir** [*] *Innovation Academy of Precision Measurement Science and Technology Wuhan, University of Chinese Academy of Sciences, Beijing, China*

58	**ID: 1198**	**Barley as a Model for Mapping Polyamines in Cereal Grain Tissues** **Si Nhat Nguyen[1], Matthew Bakker[1], Ana Badea[2], Trust Beta [* 1]** *[1] University of Manitoba, Winnipeg, MB, Canada* *[2] Agriculture & Agri-Food Canada*
59	**ID: 1199**	**Antifungal Properties of *Asparagus officinalis* extracts against Food-Contaminating Fungal Pathogens: A Natural Approach to Improving Food Safety and Quality** **Agnieszka Waskiewicz [* 1], Elsie Ayamoh Enow[2], Monika Urbaniak[2], Łukasz Stepień[2]** *[1] Department of Chemistry, Poznan University of Life Sciences, Wojska Polskiego 28, 60-637 Poznań, Poland* *[2] Department of Pathogen Genetics and Plant Resistance, Institute of Plant Genetics, Polish Academy of Sciences, Strzeszyńska 34, 60-479 Poznań, Poland*
60	**ID: 1200**	**The Effect of Mulberry (Morus L.) Leaf Extract on *Fusarium proliferatum* Growth and Mycotoxins Biosynthesis** **Agnieszka Waskiewicz [* 1], Monika Urbaniak[2], Maria Kwiatkowska[2], Łukasz Stępień[2]** *[1] Department of Chemistry, Poznan University of Life Sciences, Wojska Polskiego 28, 60-637 Poznań, Poland* *[2] Department of Pathogen Genetics and Plant Resistance, Institute of Plant Genetics, Polish Academy of Sciences, Strzeszyńska 34, 60-479 Poznań, Poland*
61	**ID: 1202**	**Design of Innovative Fermented Beverages Based on Bakery Waste and Chokeberry Pomace** **Daniela Gwiazdowska [* 1], Krzysztof Juś[1], Katarzyna Marchwińska[1], Paulina Gluzińska[2], Aleksandra Olejniczak[2], Wiktoria Studenna[1], Mateusz Adamczak[2]** *[1] Department of Natural Science and Quality Assurance, Institute of Quality Science, Poznań University of Economic and Business, Poznan, Poland* *[2] Scientific Student Association "Inventum", Department of Natural Science and Quality Assurance, Institute of Quality Science, Poznań University of Economics and Business, Poznan, Poland*