



# 6<sup>th</sup> International Symposium on Phytochemicals in Medicine and Food

**(6-ISPMF)**

**AUGUST 05 – 13, 2022 (ONLINE)**

**AUGUST 07-09, 2022, HAANGZHOU, CHINA (ON SITE)**



## 6-ISPMF online Program

<https://us02web.zoom.us/j/9428372202?pwd=Z2psNG1zVEprOENTMlVwckdzSHhyZz09>

topic: 6-ISPMF online meeting

time: 02:30 pm -12:00 pm (Beijing time, GMT+8:00), 08-05 to 08-13

Zoom ID: 942 837 2202

password: 202208

Beijing time	05 August
15:00-15:20	Opening Address
15:20-19:20	Session 1 (Esra Capanoglu, Maurizio Battino)
15:20-16:20	PL01: Thomas Efferth, Johannes Gutenberg University, Germany Basic knowledge of COVID-19 and therapeutic strategies against SARS-CoV-2
16:20-17:00	PL02: Maria Daglia, University of Napoli Federico II, Italy Efficacy of food supplement based on pomegranate extract, B vitamins and vitamin C against prolonged fatigue in healthy subjects: a preliminary study
17:00-17:40	PL03: Mohamed Ali Ali Farag, Cairo University, Egypt Behind the scenes of symbiotic relationships, novel insights as revealed using metabolomics in plants, sea coral and humans
17:40-18:10	IL01: Claudia Cerella, Fondation Recherche sur le Cancer et les Maladies du Sang, Luxembourg Data-driven identification of predictive markers of response to natural compounds in cancer
18:10-18:40	IL02: Patonay Katalin, Eszterházy Károly Catholic University, Hungary Mints producing thymol isomers – New chemotypes in five Hungarian <i>Mentha longifolia</i> (L.) L. accessions involved to experimental cultivation
18:40-19:00	OL01: Lijun Sun, Northwest A&F University, China Inconsistency between polyphenol-enzyme binding interactions and enzyme inhibition: Galloyl moiety decreases amyloglucosidase inhibition of catechins
19:00-19:20	OL02: Danila Cianciosi, Polytechnic University of Marche, Italy Effect of manuka honey on 5-fluorouracil chemosensitivity in colonspheres enriched with cancer stem (-like) cells
19:20-21:50	Session 2 (Sonia G. Sáyago-Ayerdi, Lu Li)
19:20-19:50	IL03: Takao Nagano, Ishikawa Prefectural University, Japan Impact of wet grinder-treated okara on obesity and gut microbiota in high-fat diet-fed mice

19:50-20:20	<b>IL04: Quancai Sun, Jiangsu University, China</b> Permethrin promotes obesity via disrupting gut microbiota in C57BL/6J mice
20:20-20:50	<b>IL05: Predrag Putnik, University North, Croatia</b> Trends in chemometrics and phytochemistry: agri-food business and sustainability
20:50-21:10	<b>OL03: Chantelle Human, Agricultural Research Council, South Africa</b> Shelf-life storage of a functional ready-to-drink green <i>Cyclopia subternata</i> beverage – Assessment of phenolic stability
21:10-21:30	<b>OL04: Phaik Har Yong, MAHSA University, Malaysia</b> Recent advances and challenges of <i>Platyclusus orientalis</i> in health and medicines
21:30-21:50	<b>OL05: Siyuan Xiang, Dalian University of Technology, China</b> Reversing A $\beta$ Fibrillation and Inhibiting A $\alpha$ Primary Neuronal Cell Toxicity for Neurodegenerative Using Amphiphilic Polyphenylene Dendrons
22:00-23:40	<b>Session 3</b> <b>(Lillian Barros)</b>
22:00-22:30	<b>IL06: Sonia G. Sáyago-Ayerdi, Tecnológico Nacional de México/IT de Tepic, Mexico</b> Discovering the relevance of food digestion and colonic fermentation evaluation in Mexican foods: Impact of bioactive compounds in health
22:30-23:00	<b>IL07: Edna Regina Amante, Federal University of Pará, Brazil</b> Use of by-products for the preparation of plant-based foods and beverages: opportunities x risks
23:00-23:20	<b>OL06: Lucia Caputo, University of Salerno, Italy</b> Chemical characterization and antibiofilm activities of bulbs and leaves of two Aglione ( <i>Allium ampeloprasum</i> var. holmense Asch. et Graebn.) Landraces grown in southern Italy
23:20-23:40	<b>OL07: Meenatai G. Kamble, National Institute of Food Technology Entrepreneurship and Management, India</b> Effect of gastrointestinal resistant encapsulate matrix on spray dried microencapsulated <i>Lactocaseibacillus rhamnosus</i> GG powder and its characterization
Beijing time	<b>August 6</b>
15:00-17:30	<b>Session 4</b> <b>(Senem Kamiloglu, Siyuan Xiang)</b>
15:00-15:40	<b>PL04: Young-Joon Surh, Seoul National University, South Korea</b> Anti-inflammatory, proresolving, and cancer chemopreventive effects of docosahexaenoic acid and its electrophilic metabolite
15:40-16:10	<b>IL08: Proestos Charalampos, University of Patras, Greece</b> Use of essential oil from plants to produce nanostructures as active packaging materials for the food industry
16:10-16:40	<b>IL09: Iñaki Milton-Laskibar, Campus of International Excellence, Spain</b> Prebiotic-like effects of polyphenols in humans: Potential implications in metabolic syndrome management
16:40-17:10	<b>IL10: Alaa El-Din Bekhit, University of Otago, New Zealand</b> Polyhydroxylated-1,4-naphthoquinones (PHNQs) from sea urchins: recent research and development
17:10-17:30	<b>OL08: Jianjun Deng, Northwest University, China</b> Resolution of debris-stimulated metastasis via combined soluble epoxide hydrolase and EP4 inhibition
17:50-20:20	<b>Session 5</b> <b>(Aline Priscilla Gomes da Silva, Elwira Sieniawska)</b>

17:50-18:20	<b>IL11: Haizhou Wu, University of Wisconsin-Madison, Sweden</b> Inhibitory mechanism of quercetin against hemoglobin-mediated lipid oxidation in washed muscle model
18:20-18:50	<b>IL12: Seid Mahdi Jafari, Gorgan University of Agricultural Science and Natural Resources, Iran</b> Release of orange peel oil from whey protein-low methoxyl pectin nanocomplexes under different conditions
18:50-19:20	<b>IL13: Nishant Kumar, National Institute of Food Technology Entrepreneurship and Management, India</b> Functions of essential oils and nano technological approach: application in edible coating for extending the shelf life of khasi mandarins
19:20-19:40	<b>OL09: Kiran Thakur, Hefei University of Technology, China</b> Unveiling of dietary and gut-microbiota derived B vitamins: Metabolism patterns and their synergistic functions in gut-brain homeostasis
19:40-20:00	<b>OL10: Murni Nazira Binti Sarian, Universiti Kebangsaan Malaysia, Malaysia</b> <i>In vitro</i> anti-diabetic activity of selected flavonoids: molecular and structure-activity relationship based study
20:00-20:20	<b>OL11: Ahmed Mediani, Universiti Kebangsaan Malaysia, Malaysia</b> Metabolic signatures and mechanism associated with antidiabetic effects of <i>Annona muricata</i> using NMR-based metabolomics approach
20:30-23:50	<b>Session 6</b> <b>(Haizhou Wu, Yoshinori Marunaka)</b>
20:30-21:10	<b>PL05: Li-Shu Wang, Medical College of Wisconsin, USA</b> A food-based approach for cancer immunoprevention
21:10-21:40	<b>IL14: Hua Yu, University of Macau, Macau, China</b> The “whole ingredients extract” of <i>Radix Astragali</i> improves the symptoms of dextran sulfate sodium-induced ulcerative colitis in mice through systemic immunomodulation
21:40-22:10	<b>IL15: Aline Priscilla Gomes da Silva, Michigan State University, USA</b> Pre and postharvest treatment in apples ( <i>Malus domestica</i> ) to enhance the bioactive phenolics
22:10-22:40	<b>IL16: Pharkphoom Panichayupakaranant, Prince of Songkla University, Thailand</b> $\alpha$ -Glucosidase inhibitory activity of cannabidiol, tetrahydrocannabinol and standardized cannabinoid extracts from <i>Cannabis sativa</i>
22:40-23:10	<b>OL12: Zhuying Zhang, Zhejiang A &amp; F University, China</b> Effect of temperature and humidity on oil quality of harvested <i>Torreya grandis</i> cv. Merrillii nuts during the after-ripening stage
23:10-23:30	<b>OL13: Hery Winarsi, Jenderal Sudirman University, Indonesia</b> Yogurt based on tolu bean sprouts ( <i>Vigna unguiculata</i> ) controls blood glucose and total cholesterol levels in T2DM patients with hypercholesterolemic
23:30-23:50	<b>OL14: Monica Rosa Loizzo, University of Calabria, Italy</b> Valorization of food by-products as possible approach to embrace circular economy by functional food producers
Beijing time	<b>August 07</b>
15:00-18:20	<b>Session 7</b> <b>(Ilkay Erdogan Orhan, Quncai Sun)</b>
15:00-15:40	<b>PL06: Yoshinori Marunaka, Kyoto Industrial Health Association, Japan</b> Benefits of alkaline foods for prevention of insulin resistance and amyloid-beta accumulation: Molecular mechanisms of body fluid pH regulation
15:40-16:20	<b>PL07: Hye-Kyung Na, Sungshin Women's University, South Korea</b> 15-Keto-prostaglandin E2 modulates STAT3 and Nrf2 signaling

16:20-16:50	<b>IL17: Ali Rashidinejad, Massey University, New Zealand</b> Oral delivery of hydrophobic phytochemicals and their incorporation into functional foods: Opportunities and challenges
16:50-17:20	<b>IL18: Wai San Cheang, University of Macau, Macau, China</b> AMPK activation mediates vasoprotective effects of <i>Portulaca oleracea</i> L. in diabetes
17:20-17:50	<b>IL19: Davide Barreca, Pharmaceutical and Environmental Sciences University of Messina, Italy</b> Vicenin-2: antioxidant and biochemical characterization of its biological functions
17:50-18:20	<b>IL20: Dunja Šamec, University North, Croatia</b> Biological activity of ginkgo ( <i>Ginkgo biloba</i> L.) flavonoid dimers: current status and further directions
18:30-21:20	<b>Session 8</b> <b>(Li-Shu Wang, Jelena B. Popović-Djordjević)</b>
18:30-19:00	<b>IL21: Fai-Chu Wong, Universiti Tunku Abdul Rahman, Malaysia</b> Application of enzyme-digested soy protein hydrolysate on hydroponic-planted lettuce: effects on phytochemical contents, biochemical profiles and physical properties
19:00-19:30	<b>IL22: Afolayan Michael O, Chemistry Advanced Research Centre, Nigeria</b> Phytochemical investigation of <i>Ptilostigma thoninii</i> (schum.) leaves
19:30-20:00	<b>IL23: Shruti Shukla, The Energy and Resources Institute, India</b> Therapeutic application of Myo-inositol with gold nanoparticles against cancer cell line
20:00-20:30	<b>IL24: Gokhan Zengin, Selcuk University, Turkey</b> Investigating of the effects of extraction methods and solvents on the chemical profiling and biological ability of <i>Alcea fasciculiflora</i> from Turkey
20:30-20:50	<b>OL15: Tian Zhang, Guizhou Medical University, China</b> SIRT3 and NAFLD: hit two birds with one stone?
20:50-21:20	<b>OL16: Giovanni Caprioli, University of Camerino, Italy</b> Plasma activated water treatment of rocket-salad leaves: Enhancement of phenolic profile, vitamins content, antioxidant and enzymatic activities
21:30-23:50	<b>Session 9</b> <b>(Fai-Chu Wong, Yoshinori Marunaka)</b>
21:30-22:10	<b>PL08: R. Verpoorte, Leiden University, Netherlands</b> Trivia in metabolomics
22:10-22:40	<b>IL25: Ana Sanches Silva, National Institute for Agricultural and Veterinary Research, Portugal</b> Releasing active food packaging: advantages and limitations of plant based active extracts
22:40-23:10	<b>IL26: Ilkay Erdogan Orhan, Gazi University, Türkiye</b> Natural Molecules – Leading Models on the Way from Lab Bench to Drugs and Cosmetics
23:10-23:30	<b>OL17: Zhihui Feng, Institute of Tea Science, Chinese Academy of Agricultural Sciences, China</b> Characterization of the key aroma compounds in infusions of four white teas by the sensomics approach
23:30-23:50	<b>OL18: Alessandro Di Minno, Università di Napoli Federico II, Italy</b> S-adenosyl methionine and probiotic supplementation: A synergistic approach towards subthreshold depression
Beijing time	<b>08 August</b>
15:00-18:40	<b>Session 10</b> <b>(Ipek Süntar, Maurício A. Rostagno)</b>

15:00-15:40	<b>PL09: Maurizio Battino, Polytechnic University of Marche, Italy</b> Honey: an old food and traditional medicine re-evaluated for preventive and therapeutic purposes
15:40-16:20	<b>PL10: Marc Diederich, Seoul National University, South Korea</b> The double-edged sword of immunogenic cell death
16:20-16:50	<b>IL27: Jelena B. Popović-Djordjević, University of Belgrade, Serbia</b> Bioactive compounds and antioxidant properties of rosehip ( <i>Rosa canina</i> L.) based tisanes with addition of hibiscus ( <i>Hibiscus sabdariffa</i> L.) and saffron ( <i>Crocus sativus</i> L.)
16:50-17:20	<b>IL28: Haroon Khan, Abdul Wali Khan University Mardan, Pakistan</b> Dietary kaempferol in the management of inflammation: Current status and future prospects
17:20-17:40	<b>OL19: Irina Boksha, Mental Health Research Centre, Russia</b> Post-hoc analysis of blood biochemistry in patients with late-onset psychosis treated with antipsychotics and adjunctive medicines with antioxidant and neurometabolic properties
17:40-18:00	<b>OL20: Anurag Singh, Harcourt Butler Technical University, India</b> Ultrasound-assisted preparation of carnauba wax based soybean oleogel
18:00-18:20	<b>OL21: Guilin Chen, Wuhan Botanical Garden, Chinese Academy of Sciences, China</b> Gymnema sylvestre ameliorates streptozotocin-induced hyperglycemia in T2DM rats <i>via</i> gut microbiota
18:20-18:40	<b>OL22: Fan Yang, Nanjing University of Finance and Economics, China</b> Effect of sodium alginate and xanthan gum on rheological & 3D printing properties of potato starch composite gels
19:00-21:50	<b>Session 11</b> <b>(Nataša Poklar Ulrih, Milen I. Georgiev)</b>
19:00-19:30	<b>IL29: Giuseppina Chianese, University of Naples Federico, Italy</b> Exploring chemical space of phytocannabinoids from fiber hemp ( <i>Cannabis sativa</i> L.) by MS-based molecular networking and NMR analysis
19:30-20:00	<b>IL30: Krzysztof Buksa, University of Agriculture in Kraków, Poland</b> Application of HPSEC with post-column derivatization for detection of amylose
20:00-20:30	<b>IL31: Maurício A. Rostagno, University of Campinas, Brazil</b> Simultaneous extraction and purification of polyphenols by pressurized liquid extraction and in-line solid-phase extraction (PLE-SPE)
20:30-20:50	<b>OL23: Ahmed Mustafa, University of Camerino, Spain</b> A new HPLC-MS/MS method for the simultaneous determination of 36 polyphenols in blueberry, strawberry and their commercial products and determination of antioxidant activity
20:50-21:10	<b>OL24: Fengjiao Fan, Nanjing University of Finance and Economics, China</b> Roles of zein/gum arabian nanoparticles on encapsulation and activity regulation of selenium-containing peptides TSeMMM
21:10-21:30	<b>OL25: Karla de Aleluia Batista, Federal University of Goiás, Brazil</b> A peptide fraction from hardened common beans ( <i>Phaseolus vulgaris</i> ) induces endothelium-dependent antihypertensive and renal effects in hypertensive rats
21:30-21:50	<b>OL26: Lingyu Nian, China Pharmaceutical University, China</b> Regulation of the postharvest products quality by functional MOFs-based biodegradable films
22:00-00:30	<b>Session 12</b> <b>(Maurício A. Rostagno, Pan Liao)</b>
22:00-22:30	<b>IL32: Tatiana V. Matveeva, St.Petersburg University, Russia</b> Homolog of the agrobacterial <i>acs</i> gene in the genome of <i>Nicotiana noctiflora</i> Hook. encodes the enzyme responsible for the synthesis of agrocinopine A
22:30-23:00	<b>IL33: Nataša Poklar Ulrih, University of Ljubljana, Slovenia</b> Stability and liposomal encapsulation of quercetin obtained with green extraction from onion skin

23:00-23:30	<b>OL27: Muhammad Ayaz, University of Malakand Khyber Pakhtunkhwa, Pakistan</b> Neuro-cognitive benefits of Phytochemicals in Alzheimer's disease
23:30-23:50	<b>OL28: Rabia Durrani, Zhejiang A &amp; F University, China</b> Structural and functional characterization of novel bioactive peptides from <i>Torreya grandis</i> for industrial applications
23:50-00:10	<b>OL29: Marcela Miranda, São Paulo State University, Brazil</b> Antifungal evaluation of essential oils and extracts from ginger, in association to carnauba nanoemulsions, as protective postharvest nanocoatings on tangerines
00:10-00:30 (09 August)	<b>OL30: Milella Luigi, Università degli Studi della Basilicata, Italy</b> Pharmacological effects of <i>Gentiana lutea</i> Linn. microencapsulated bitter molecules for regulating hunger and satiety
Beijing time	<b>09 August</b>
	<b>Session 13</b>
15:00-18:00	<b>(Adriana Trifan, Chao Zhao)</b>
15:00-15:40	<b>PL11: Jesus Simal-Gandara, Universidade de Vigo, Spain</b> Untargeted and Targeted Metabolomics
15:40-16:20	<b>PL12: Satyajit D Sarker, Liverpool John Moores University, United Kingdom</b> ANALYSIS OF NATURALLY OCCURRING CANNABINOIDS: HPLC-BASED APPROACHES
16:20-16:50	<b>IL34: Paolo Magni, Università degli Studi di Milano, Italy</b> Evaluation of the beneficial effects of a herbal extract on glucose uptake: in vitro studies in different human cell-based models
16:50-17:10	<b>OL31: Kegang Linghu, University of Macau, Macau, China</b> Leocarpinolide B attenuated the collagen type II-induced rheumatoid arthritis via regulating Keap1/Nrf2 signal pathway in mice
17:10-17:20	<b>OL32: Siddabasave Gowda B. Gowda, Hokkaido University, Japan</b> Lipid fingerprinting in eleven dietary fish by untargeted LC/MS
17:20-17:40	<b>OL33: Rui Cai, Northwest agriculture and forestry, China</b> Antibacterial activity and mechanism of thymol against <i>Alicyclobacillus acidoterrestris</i> vegetative cells and spores
17:40-18:00	<b>OL34: Zhi Xiang Ng, University of Nottingham Malaysia, Malaysia</b> In search of herbal plants combination with synergistic phytochemicals content and antioxidant activity: a case for <i>Platyclusus orientalis</i>
	<b>Session 14</b>
18:10-20:50	<b>(Satyajit D Sarker, Hongxun Tao)</b>
18:10-18:50	<b>PL13: Esra Capanoglu, Istanbul Technical University, Turkey</b> Functional food design: Effect of food matrix and processing
18:50-19:20	<b>IL35: Francesca Giampieri, Universidad Europea del Atlántico, Spain</b> The effects of dietary bioactive compounds on breast cancer: the case of garlic
19:20-19:50	<b>IL36: Adriana Trifan, Faculty of Pharmacy, Romania</b> Natural compounds in dermatophytosis: the case of honokiol and magnolol
19:50-20:10	<b>OL35: Aurora Silva, University of Vigo, Spain</b> Pigment composition of nine brown algae from the Iberian northwestern coastline: Influence of the extraction solvent
20:10-20:30	<b>OL36: Arun Sharma, National Institute of Food Technology Entrepreneurship and Management, India</b> Fruit Peel Bioactives, Valorisation into Nanoparticles and Potential Applications
20:30-20:50	<b>OL37: Zhuo Wang, Guangdong Ocean University, China</b> Plasma selenium and the risk of first stroke in adults with hypertension: a secondary analysis of the China Stroke

	primary prevention trial
<b>20:40-23:40</b>	<b>Session 15</b> <b>(Francesca Giampieri, Esra Capanoglu)</b>
<b>20:40-21:20</b>	<b>PL14: Hang Xiao, University of Massachusetts, USA</b> Identification of novel gut microbiota-derived metabolites of curcumin
<b>21:20-21:50</b>	<b>IL37: Bunleu Sungthong, Khon Kaen University, Thailand</b> Melatonin and its derivative contents in Edible Plants
<b>21:50-22:20</b>	<b>IL38: Siau Hui Mah, Taylor's University, Malaysia</b> Xanthone derivatives with anti-inflammatory activities
<b>22:20-22:40</b>	<b>OL38: Athena Dong, Medical College of Wisconsin, USA</b> A pilot study to investigate the hypomethylating properties of freeze-dried black raspberries in patients with myelodysplastic syndrome or myeloproliferative neoplasm
<b>22:40-23:00</b>	<b>OL39: Hamizah Shahirah Hamezah, Universiti Kebangsaan Malaysia, Malaysia</b> Tocotrienol-rich fraction modulates proteome profile in the brain of APP/PS1 transgenic mice and improves memory
<b>23:00-23:20</b>	<b>OL40: Saraswathy SD, Bharathidasan University, India</b> A comparative study on the phytochemical analysis, antioxidant and antibacterial effects of seaweed <i>kappaphycus alvarezii</i> red and green variant
<b>23:20-23:40</b>	<b>OL41: Mohsen Gavahian, National Pingtung University of Science and Technology, Taiwan, China</b> Effects of emerging food processing technologies on phytochemicals of pineapple: a review on recent data
<b>Beijing time</b>	<b>August 10</b>
<b>15:00-18:20</b>	<b>Session 16</b> <b>(Nilufar Z. Mamadaliyeva, Jing Wang)</b>
<b>15:00-15:40</b>	<b>PL15: El-Seedi H.R., Uppsala University, Uppsala</b> Recent insights into chemical and pharmacological studies of bee products
<b>15:40-16:20</b>	<b>PL16: Lillian Barros, Campus de Santa Apolónia, Portugal</b> Valorisation of Agrofood residues to obtain natural ingredients for food, cosmetic, and agriculture applications
<b>16:20-16:50</b>	<b>IL39: Adam Matkowski, Wroclaw Medical University, Poland</b> Plenty is no dainty, or plenty is no plague - does stress adaptation improve quality of medicinal plants?
<b>16:50-17:20</b>	<b>IL40: José S. Câmara, Universidade da Madeira, Portugal</b> Health benefits of bioactive compounds in foods. Highlights of emerging extraction and analytical techniques
<b>17:20-17:40</b>	<b>OL42: Ibdah Mwafaq, Newe Yaar Research Center, Israel</b> Trilobatin dihydrochalcone as a new-class of phytochemical agent
<b>17:40-18:00</b>	<b>OL43: Xiaoyun He, China agricultural university, China</b> The regulation mechanism of allicin on energy metabolism and the establishment of a targeted delivery system
<b>18:00-18:20</b>	<b>OL44: Faridah Abas, Universiti Putra Malaysia, Malaysia</b> Metabolic alterations in streptozotocin-nicotinamide induced diabetic rats treated with <i>Muntingia calabura L.</i> extract via 1H-NMR based metabolomics
<b>18:30-21:10</b>	<b>Session 17</b> <b>(Maria Daglia, Zhuosi Li)</b>
<b>18:30-19:10</b>	<b>PL17: Alejandro G. Marangoni, University of Guelph, Canada</b> Spontaneous crude lecithin-based liposomes for encapsulation and delivery of hydrophobic bioactives
<b>19:10-19:40</b>	<b>IL41: Bijesh Kumar Biswal, National Institute of Technology Rourkela, India</b> Piperlongumine attenuates epithelial to mesenchymal transition and stem-cell-like phenotype with potent anticancer activity by targeting SOX9 in human lung cancer



19:40-20:10	<b>IL42: Nilufar Z. Mamadalieva, Academy Sciences of Uzbekistan, Uzbekistan</b> UPLC-MS based metabolite profiling of the oleo-gum-resins from <i>Ferula foetida</i> and <i>F. tadshikorum</i>
20:10-20:30	<b>OL45: Ana Carolina de Aguiar, University of Campinas, Brazil</b> Characterization and quantification of phenolic compounds in BRS-Moema ( <i>Capsicum chinense</i> ) by HPLC-ESI-MS/MS
20:30-20:50	<b>OL46: Bruno Melgar, Campus de Santa Apolónia, Portugal</b> Screening analysis of bioactive compounds from olive pomace through ultrasound assisted extraction
20:50-21:10	<b>OL47: Sofia Parrasia, University of Padova, Italy</b> Pharmacological effects of pterostilbene supplementation in a murine model of diet-induced obesity
<b>21:20-23:50</b>	<b>Session 18</b> <b>(Didem Şöhretoğlu, Niranjan Koirala)</b>
21:20-21:50	<b>IL43: Shahidul Islam, University of KwaZulu-Natal, South Africa</b> Roles of foods and food supplements in the management of uric acid and uric acid associated gout
21:50-22:20	<b>IL44: Nishant Kumar, National Institute of Food Technology Entrepreneurship and Management, India</b> Functions of essential oils and Nano technological approach: Application in edible coating for extending the shelf life of Khasi Mandarins
22:20-22:50	<b>IL45: Lutfun Nahar, Institute of Experimental Botany ASCR &amp; Palacký University, Czech Republic</b> A-Z superfoods: why they are important
22:50-23:10	<b>OL48: Alejandra Beatriz Camargo, Laboratorio de Cromatografía para Agroalimentos, Argentina</b> Cruciferous microgreens: a novel and promissory source of sustainable bioactive compounds
23:10-23:30	<b>OL49: Gael Neba, De Montfort University, United Kingdom</b> Pharmacological potential of polymethoxy flavones from <i>Artemisia annua</i> L.
23:30-23:50	<b>OL50: Daiana Almeida, Campus de Santa Apolónia, Portugal</b> Antimicrobial activity of different onion landraces from Greece
<b>Beijing time</b>	<b>August 11</b>
<b>15:00-18:00</b>	<b>Session 19</b> <b>(Nataša Poklar Ulrih, Yakun Hou)</b>
15:00-15:40	<b>PL18: Mohamed Fawzy Ramadan, Umm Al-Qura University, Saudi Arabia</b> Chemistry, bioactivity and industrial applications of <i>Opuntia</i> Spp
15:40-16:10	<b>IL46: Shaden A. M. Khalifa, Stockholm University, Sweden</b> Anti-viral and immunomodulatory properties of propolis: Chemical diversity, pharmacological properties, preclinical and clinical applications, and <i>in silico</i> potential against SARS-CoV-2
16:10-16:40	<b>IL47: Simon Vlad Luca, Technical University of Munich, Germany</b> Cannabidiol and minor cannabinoids: From process to bioactivity
16:40-17:00	<b>OL51: Lukasz Świątek, Medical University of Lublin, Poland</b> Biological activities and chemical profile of <i>Spathodea campanulata</i> extracts
17:00-17:20	<b>OL52: William Kwame Amakye, South China University of Technology, China</b> Pentapeptide WN5 targets the gut microbiota in alleviating Alzheimer's disease pathologies
17:20-17:40	<b>OL53: Minxia Fan, Wuhan Botanical Garden, Chinese Academy of Sciences, China</b> Antiparasitic activity of <i>Azadirachta indica</i> and its potential active compounds revealed by affinity ultrafiltration with acetylcholinesterase and lactate dehydrogenases
17:40-18:00	<b>OL54: Xiaowan Yan, Jilin university, China</b> Active composition and application of <i>Cyperus esculentus</i>
<b>18:10-20:40</b>	<b>Session 20</b> <b>(Wai San Cheang, Avi Shpigelman)</b>

18:10-18:40	<b>IL48: José L. Quiles, University of Granada, Spain</b> Do berries, curcumin, virgin olive oil and honey exert beneficial action in the elderly? Molecular bases for its use as functional foods during aging
18:40-19:10	<b>IL49: Niranjan Koirala, Research Institute for Biotechnology and Biodiversity, Nepal</b> <i>Vitex negundo</i> Linn.: phytochemical composition, nutritional analysis, and antioxidant and antimicrobial activity
19:10-19:40	<b>IL50: Aida Abd El Waheed, Plant Protection Research Institute, Agricultural Research Centre, Egypt</b> Cosmetic applications of bee venom
19:40-20:00	<b>OL55: Shivraj Hariram Nile, Zhejiang Chinese Medical University, Hangzhou, India</b> Utilization of fruit and vegetable waste bioactive compounds as anticancer natural drugs
20:00-20:20	<b>OL56: Zhiyou Yang, Guangdong Ocean University, China</b> Heterophyllin B, a cyclopeptide from <i>Pseudostellaria heterophylla</i> , improves memory <i>via</i> immunomodulation and neurite regeneration in i.c.v. A $\beta$ -induced mice
20:20-20:40	<b>OL57: Cemil Aydoğan, Bingol University, Turkey</b> What nano-scale LC systems see in biological assemblies?
21:00-23:50	<b>Session 21</b> <b>(Adam Matkowski, Danyue Zhao)</b>
21:00-21:40	<b>PL19: Pawan K. Agrawal, Natural Product Inc, USA</b> Flavonoids and Possible COVID-19 Integrative Considerations
21:40-22:10	<b>IL51: Marija Glisic, University of Bern, Switzerland</b> Buckwheat and cardiometabolic health: a systematic review and meta-analysis
22:10-22:40	<b>IL52: Nermeen Yosri, Beni-Suef University, Egypt</b> Plants and foods mentioned in Holy Qur'an and Ahadith: medicinal importance in contemporary times and its potential against Covid-19
22:40-23:10	<b>IL53: Carlos L. Cespedes-Acuña, University of Bio-Bío, Chile</b> <i>Aristolelia chilensis</i> (Mol) Stunz, "Maqui" a new advances in the search for bioactive molecules
23:10-23:30	<b>OL58: Min Wang, South China University of Technology, China</b> Functional interplay between gut microbiota, food-derived bioactive peptide, and Alzheimer's diseases
23:30-23:50	<b>OL59: Evgenia C.V. Stamati, University of Thessaly, Greece</b> OBP-guided identification of essential oils and bioactive compounds with mosquito repellent properties
Beijing time	<b>August 12</b>
15:00-17:50	<b>Session 22</b> <b>(Marija Glisic, Hye-Kyung Na)</b>
15:00-15:40	<b>PL20: Yun Suk Huh, Inha University, South of Korea</b> Phytogenic fabrication of iron oxide nanoparticles: Their <i>in vitro</i> antibacterial and cytotoxic activity
15:40-16:10	<b>IL54: Ali Movahed, Bushehr University of Medical Sciences, Iran</b> <b>Thomas Netticadan, Canadian Centre for Agri-Food Research in Health and Medicine, Canada</b> Therapeutic potential of Resveratrol in patients with Type 1 and Type 2 diabetes
16:10-16:40	<b>IL55: Avi Shpigelman, Technion, Israel</b> The structure-dependent degrading effect of pressure on polyphenols: potential implications to processing and formulation
16:40-17:10	<b>IL56: Shashi Bhushan Tripathi, TERI School of Advanced Studies, India</b> Development of nutritionally improved Indian mustard ( <i>Brassica juncea</i> ) varieties with reduced glucosinolate and erucic acid content using marker-assisted selection
17:10-17:30	<b>OL60: María D. Navarro-Hortal, University of Granada, Spain</b> Effects of a strawberry extract on aging and aging-related diseases: focus on lifespan and locomotive behavior associated with tau proteotoxicity in <i>Caenorhabditis elegans</i>
17:30-17:50	<b>OL61: Bimal Chitrakar, Hebei Agricultural University, China</b> Comparative study on the edible-part and by-products of <i>Asparagus officinalis</i> : Nutritional and phytochemical

	composition
<b>18:00-21:00</b>	<b>Session 23</b> <b>(Mohamed Ali Ali Farag, Yun Suk Huh)</b>
<b>18:00-18:30</b>	<b>IL57: Elwira Sieniawska, Medical University of Lublin, Poland</b> Mycobacterial metabolic pathways altered by natural products
<b>18:30-19:00</b>	<b>IL58: Ipek Süntar, Gazi University, Türkiye</b> Preclinical approaches for bioactivities of medicinal plants
<b>19:00-19:30</b>	<b>IL59: Senem Kamiloglu, ursa Uludag University, Turkey</b> Investigating the effect of harvest season on the bioaccessibility of bee pollen polyphenols by ultra-high performance liquid chromatography tandem mass spectrometry
<b>19:30-20:00</b>	<b>IL60: Lucian Hritcu, Alexandru Ioan Cuza University of Iasi, Romania</b> Molecular insights into memory-enhancing activities of 6-hydroxy-L-nicotine in the brain: involving of the cholinergic system and oxidative stress
<b>20:00-20:20</b>	<b>OL62: Zhenzhu Zhu, Nanjing University of Finance and Economics, China</b> Greengage ( <i>Prunus mume</i> ) pectin ameliorate dextran sodium sulfate-induced colitis: from structure to anti-inflammatory activity
<b>20:20-20:40</b>	<b>OL63: Rui Zhang, Guangdong Ocean University, China</b> A nutrition formula powder and its effect on the immune function, gut microbiota of mice
<b>20:40-21:00</b>	<b>OL64: Yit-Lai Chow, Universiti Tunku Abdul Rahman, Malaysia</b> Enhancement of phytochemicals biological activities screening using <i>Caenorhabditis elegans</i>
<b>21:00-23:30</b>	<b>Session 24</b> <b>(Simon Vlad Luca, Yue Ma)</b>
<b>21:00-21:30</b>	<b>IL61: Maria H. Ribeiro, Universidade Lisboa, Portugal</b> Sustainable encapsulation of curcumin in cyclodextrins towards antiviral activity against SARS-CoV2
<b>21:30-22:00</b>	<b>IL62: Didem Şöhretoğlu, Hacettepe University, Turkey</b> Tyrosinase inhibitory properties of polyphenols: Mechanistic approaches merged with enzyme kinetics and molecular modelling
<b>22:00-22:30</b>	<b>IL63: Rakhi Singh, National Institute of Food Technology Entrepreneurship and Management, India</b> Millets for the sustainable development of functional food
<b>22:30-22:50</b>	<b>OL65: Meivelu Moovendhan, Karpagam Academy of Higher Education, India</b> Biopolymers from Rohu fish ( <i>Labeo rohita</i> ) scales: Chemistry, structural features, surface morphology and antioxidant potential its hydrolysates
<b>22:50-23:10</b>	<b>OL66: Manuella Kouamo, University of Camerino, Italy</b> Grape leaves: Chemical characterization of bioactive compounds and antioxidant activities
<b>23:10-23:30</b>	<b>OL67: Xu Lu, Fujian A &amp; F University, China</b> Effect of maize additives on storage stability of coconut milk emulsion
	<b>August 13</b>
<b>16:00-18:50</b>	<b>Session 25</b> <b>(Maria H. Ribeiro, Antonella Smeriglio)</b>
<b>16:00-16:40</b>	<b>PL21: Daniel Granato, University of Limerick, Ireland</b> Translational research for functional foods development and efficacy testing
<b>16:40-17:10</b>	<b>IL64: Ana Clara Aprotosoae, Grigore T. Popa University of Medicine and Pharmacy Iasi, Romania</b> Development of bioactive polysaccharide-based cryogels with tailored architectures for embedding plant-derived products

<b>17:10-17:40</b>	<b>IL65: Rita Choudhary, The Energy and Resources Institute, India</b> Exotic god fruit, persimmon ( <i>Diospyros kaki</i> ): Pharmacological importance and human health aspects
<b>17:40-18:10</b>	<b>IL66: Md. Moklesur Rahman Sarker, State University of Bangladesh, Bangladesh</b> Improvement of lipid profile, HMG-CoA, and hepatic oxidative stress by RYR-based novel formulation of nutraceuticals (H-Card) in hyperlipidemic swiss Albino rats
<b>18:10-18:30</b>	<b>OL68: Soetan Kehinde Olugboyega, University of Ibadan, Nigeria</b> Comparative <i>in vitro</i> antioxidant activities of six accessions of African yam beans ( <i>Sphenostylis stenocarpa</i> L.)
<b>18:30-18:50</b>	<b>OL69: Wing-Hin Lee, Universiti Kuala Lumpur, Malaysia</b> Modulation of curcumin nanoparticle toxicity against alveolar macrophages through surface charge modification
<b>19:20-22:00</b>	<b>Session 26</b> <b>(Jianbo Xiao, Maurizio Battino)</b>
<b>19:20-20:00</b>	<b>PL22: Andrea Gomez-Zavaglia, Center for Research and Development in Food Cryotechnology, Argentina</b> Adding value to natural underutilized products for the synthesis of prebiotic oligosaccharides. Fundamentals behind their technological structure-function relationship
<b>20:00-20:40</b>	<b>PL23: Milen I. Georgiev, Bulgarian Academy of Sciences, Bulgaria</b> Obesity management potential of plant natural compounds: from <i>in vitro</i> (human adipocytes) to <i>in vivo</i> ( <i>Caenorhabditis elegans</i> ) studies
<b>20:40-21:10</b>	<b>IL67: Pan Liao, Purdue University, USA</b> Emission of volatiles from petunia flowers is affected by an extracellular lipid transfer protein
<b>21:10-21:40</b>	<b>IL68: Hidayat Hussain, Leibniz Institute of Plant Biochemistry, Germany</b> Combating Cancer: Natural products and pseudo natural products-based strategies underpinned by medicinal chemistry
<b>21:40-22:10</b>	<b>IL69: Antonella Smeriglio, University of Messina, Italy</b> Micro-morphological features, phytochemical profile and biological properties of <i>Citrus lumia</i> “pyriformis” essential oil
<b>22:10-22:30</b>	<b>Prizes' Award and Closing Remarks</b>

## PhD students' Forum

<https://us02web.zoom.us/j/9428372202?pwd=Z2psNG1zVEprOENTMlVwckdzSHhyZz09>

topic: PhD students' forum August 08-09

time: 08:00 am -07:00 pm (Beijing time, GMT+8:00), 08-08 to 08-09

Zoom ID: 942 837 2202

password: 202208

Beijing time	No	8 August (Chair: Fang Wang & Huifan Liu)
8:00-8:10	PF1	<b>Li Yang, University of Macau, China</b> Myricetin ameliorated prediabetes <i>via</i> immunomodulation and gut microbiota interaction
8:10-8:20	PF2	<b>Guoxin Cui, Dalian Polytechnic University, China</b> Protein coronas formed by blood proteins and food-borne carbon dots from roast mackerel: Effects on cytotoxicity and cellular metabolites
8:20-8:30	PF3	<b>Yuanyuan Liu, Fujian agriculture and Forestry University, China</b> <i>Treponema primitia</i> $\alpha$ 1-2-fucosyltransferase-catalyzed one-pot multienzyme synthesis of fucosylated oligosaccharide lacto-N-fucopentaose-I with antiviral activity against enterovirus 71
8:30-8:40	PF4	<b>Xiaodan Lu, Fujian agriculture and Forestry University, China</b> The anti-fatigue effect of glycoproteins from hairtail on BALB/c mice
8:40-8:50	PF5	<b>Haolin Zhang, University of Macau, China</b> Discovery of nitrogenous derivatives of dihydromyricetin in cell culture medium
8:50-9:00	PF6	<b>Shulin Zhang, Guizhou Medical University, China</b> Pirfenidone targeting TGF- $\beta$ 1 inhibits the crosstalk between glycolysis and epithelial-mesenchymal transformation of lung adenocarcinoma
9:00-9:10	PF7	<b>Ruimin Wang, Hainan University, China</b> Phenolics from noni ( <i>Morinda citrifolia</i> L.) fruit alleviate obesity for high fat diet-fed mice via modulating the gut microbiota and mitigating intestinal damage

9:10-9:20	PF8	<b>Runhui Ma, Hefei University of Technology, China</b> 6-shogaol as ferroptosis activator, suppresses metastasis through the PI3K/AKT pathway in human endometrial carcinoma Ishikawa cells
9:20-9:30	PF9	<b>Yunyang Zhu, Hefei University of Technology, China</b> Riboflavin Bioenriched Soymilk Alleviates Oxidative Stress Mediated Liver Injury, Intestinal Inflammation, and Gut Microbiota Modification in B2 Depletion-Repletion Mice
9:30-9:40	PF10	<b>Biyang Zhu, South China University of Technology, China</b> Degradation mechanism of isomaltooligosaccharides by hydroxyl radicals in UV/H <sub>2</sub> O <sub>2</sub> system
9:40-9:50	PF11	<b>Zhiwei Liu, South China Agricultural University, China</b> Development of lateral flow immunoassays based on several nanomaterials for rapid and sensitive quantification of mycotoxins in cereals
10:00-10:10	PF12	<b>Mengxue Diao, Jilin University, China</b> Studies of the interaction between isolated $\alpha$ -Lactalbumin from milk with polyphenols
10:10-10:20	PF13	<b>Ruijing Liu, Jinan University, China</b> Effects of cyanidin-3-O-glucoside on BPA-induced liver lipid metabolism disorder in rats based on lipidomics analysis
10:20-10:30	PF14	<b>Chang Liu, Jiangnan University, China</b> Role of the gut microbiome in long-term dietary patterns rich in torularhodin
10:30-10:40	PF15	<b>Shenkang Chen, Nanchang University, China</b> Comprehensive analysis in the nutritional composition, phenolic species and <i>in vitro</i> antioxidant activities of different pea cultivars
10:40-10:50	PF16	<b>Min Yang, Yunnan Agricultural University, China</b> Molecular mechanism of <i>Moringa oleifera</i> Lam. seeds isothiocyanate against skin photoaging by regulating p38MAPK-dependent autophagy
10:50-11:00	PF17	<b>Jinjin Liu, Nanchang University, China</b> <i>Cassia obtusifolia</i> seeds water extract by processing and adsorption treatment for removal anthraquinones: comparison of chemical composition, polysaccharide characterization and antioxidation activities
11:00-11:10	PF18	<b>Bolun Sun, Ningbo University, China</b> Absorption of iron from <i>Tegillarca granosa</i> using an <i>in vitro</i> simulated digestion and Caco-2/HepG2 co-culture system
11:10-11:20	PF19	<b>Hui Guan, Shandong Agricultural University, China</b> Simultaneous binding of quercetin and catechin to FOXO3 enhances IKK $\alpha$ transcription inhibition ameliorating oxidative stress
11:20-11:30	PF20	<b>Jiebiao Chen, Zhejiang University, China</b> Evaluation of antioxidant capacity and gut microbiota modulatory effects of different kinds of berries
11:30-11:40	PF21	<b>Jue Xu, Ningbo University, China</b> A novel strain of <i>Levilactobacillus brevis</i> PDD-5 isolated from salty vegetables has beneficial effects on hyperuricemia through anti-inflammation and improvement of kidney damage
11:40-11:50	PF22	<b>Yunyi Chen, Zhejiang University, China</b> Cyanidin-3-O-glucoside extracted from the Chinese bayberry ( <i>Myrica rubra</i> Sieb. et Zucc.) alleviates antibiotic-associated diarrhea by regulating gut microbiota and down-regulating inflammatory factors in NF- $\kappa$ B pathway
11:50-12:00	PF23	<b>Carlos Eduardo Camacho-González, Mexico</b> Ent-kaurenes: novel nutraceuticals with potential anti-inflammatory and anti-proliferative effects
Beijing time	No	<b>8 Aug</b> (Chair: Lei Chen & Lingjun Ma)
13:20-13:30	PF24	<b>Fangwei Liu, Nanchang University, China</b> <i>In vitro</i> Digestion and fermentation characteristics of low GI biscuits incorporated with three different

		polysaccharides
13:30-13:40	PF25	<b>Zhiying Li, Shenyang Agricultural University, China</b> Hypoglycemic bioactivity of anthocyanins: A review on proposed targets and potential signaling pathways
13:40-13:50	PF26	<b>Mingming Zhao, University of Macau, China</b> GC-MS-based metabolomics and anti-inflammatory investigations to characterize the quality of essential oils from <i>Bupleuri chinense</i> DC. and <i>B. scorzoniferolium</i> Willd
13:50-14:00	PF27	<b>Yujia Ou, Fujian agriculture and Forestry University, China</b> <i>Porphyra Haitanensis</i> Glycoprotein Attenuates Hyperglycemia in Diabetes Mice
14:00-14:10	PF28	<b>Hongtao Zhu, Hefei University of Technology, China</b> Anti-hardening effect and mechanism of sericin peptide in early storage of high protein nutritional bars
14:10-14:20	PF29	<b>Huamai Qiu, South China University of Technology, China</b> Physicochemical properties and potential beneficial effects of porphyrin from <i>Porphyra haitanensis</i> on intestinal epithelial cells
14:20-14:30	PF30	<b>Yuan Liang, Jilin University, China</b> Identification of ginsenosides as potential EGFR tyrosine kinase inhibitors
14:30-14:40	PF31	<b>Dongbao Cai, Jinan University, China</b> The protective effects of cyanidin-3-O-glucoside and its metabolite on heat stress-induced spermatogenic epithelium injury
14:40-14:50	PF32	<b>Yen T. H. LAM, Leibniz Institute of Plant Biochemistry, Germany</b> New peptaibols from <i>Sepedonium ampullosporum</i> Damon KSH534 exhibit promising antifungal and anticancer activities
14:50-15:00	PF33	<b>Francesca Guzzo, University of Campania, Italy</b> Bio-guided approach as a valuable strategy in the search of antibacterial compounds from three Myrtaceae plants
15:00-15:10	PF34	<b>Hammad Ullah, University of Napoli Federico II, Italy</b> <i>In vitro</i> and <i>in vivo</i> assessment of antidiabetic effects of <i>Prunus domestica</i> L.
15:10-15:20	PF35	<b>Diletta Piatti, University of Camerino, Italy</b> Method development for extraction and quantification of melatonin in <i>Hypericum perforatum</i> (L.) by UHPLC-MS/MS
15:20-15:30	PF36	<b>Jie Zheng, Seoul National University, South Korea</b> Sulforaphane promotes chemically induced hepatocarcinogenesis in mice
15:30-15:40	PF37	<b>Eng Huan Hau, Taylor's University, Malaysia</b> Physicochemical and Functional Properties of Flavourzyme-Extracted Protein Hydrolysate from Oil Palm Leaves
15:40-15:50	PF38	<b>Rili Hao, Shandong Agricultural University, China</b> Caffeic acid phenethyl ester against cadmium-induced kidney toxicity in mice: Role of miR-34a/Sirt1/p53 signaling pathway
16:00-16:10	PF39	<b>Anne Liong, Interdisciplinary Centre of Marine and Environmental Research, Matosinhos</b> Direct Pathway Cloning (DiPaC) to discover new natural products from cyanobacteria
16:10-16:20	PF40	<b>Justyna Szczepańska, Institute of Agricultural and Food Biotechnology, Poland</b> Stability of apple juice preserved by static and multi-pulsed high pressure processing
16:20-16:30	PF41	<b>Dušan D. Vasić, University of Belgrade, Serbia</b> Chemical composition and antioxidant potential of <i>Rosa canina</i> L. pseudo-fruit
16:30-16:40	PF42	<b>Nenad Mićanović, University of Belgrade, Serbia</b> Chemical characteristics and biological properties of saffron ( <i>Crocus sativus</i> L.)
16:40-16:50	PF43	<b>Wang Xiang, National University of Singapore, Singapore</b> Anti-inflammatory activity of dietary phytochemicals evaluated by a three-dimensional (3D) cell culture model

17:00-17:10	PF44	<b>Seong Hoon Kim, Seoul National University, South Korea</b> Protective Effects of Taurine Chloramine on Experimentally Induced Colitis and Dermatitis
17:10-17:20	PF45	<b>Keyser Taban Akç, Gazi University, Türkiye</b> Pharmacognostic Research on the Cytotoxic Effects of Some Apiaceae Plants Growing in Türkiye
17:20-17:30	PF46	<b>Cristiano G. S. Mateus, Instituto Politécnico de Bragança, Portugal</b> Development of a QSAR model to evaluate the antioxidant activity di(hetero)aryl compounds
17:30-17:40	PF47	<b>Reem Ghonaim, Menoufia University, Egypt</b> Phytonanotechnology: a greener approach for biomedical applications
17:40-17:50	PF48	<b>Omar M. Khattab, Uppsala University, Sweden</b> Extraction, isolation, synthesis and structure elucidation of bioactive polypeptides from royal jelly & bacillus subtilis
17:50-18:00	PF49	<b>Asmaa Elebishehy, Menoufia University, Egypt</b> Biochemical and Molecular Study on the Effect of Cymbopogon schoenanthus (L) Extract on High Fat Diet Induced Obesity
18:00-18:10	PF50	<b>Kunlun Li, Zhejiang Chinese Medical University, China</b> Characterization of a Methyltransferase Involved in Benzylisoquinoline Alkaloid Biosynthesis in Stephania tetrandra
18:10-18:20	PF51	<b>Zhaojun Wang, Zhejiang Chinese Medical University, China</b> Protective Role of Chinese Chinese Medicine in NSAIDs Induced Intestinal Injury
Beijing time	No	<b>9 Aug</b> (Chair: Hongxun Tao & Chao Ai)
8:00-8:10	PF52	<b>Liuming Xie, Nanchang University, China</b> Genistein supplementation effectively boosted the immunomodulatory activity and production of exopolysaccharides by <i>Monascus purpureus</i>
8:10-8:20	PF53	<b>Xiankang Fan, Ningbo University, China</b> Characterization of the effects of binary probiotics and wolfberry dietary fiber on the quality of yogurt
8:20-8:30	PF54	<b>Hui Liu, Shandong Agricultural University, China</b> MicroRNA-based regulatory mechanisms in combination of quercetin and EGCG synergistically attenuated insulin resistance by targeting FOXO1
8:30-8:40	PF55	<b>Shan Zheng, Zhejiang agriculture and Forestry University, China</b> Transcriptome-referenced association study of <i>Torreya grandis</i> provides insights into the genetic basis of the mechanism of kernel oil biosynthesis.
8:40-8:50	PF56	<b>Yaxi Ye, Suzhou University, China</b> Glutathione-Responsive Prodrug conjugates for image-guided combination in cancer therapy
8:50-9:00	PF57	<b>Xiumei Zhu, Nanchang University, China</b> Mechanism of viscosity reduction of okra pectic polysaccharide by ascorbic acid
9:00-9:10	PF58	<b>Qihui Huang, Vigo University, China</b> Regulatory mechanisms of the edible alga <i>Ulva lactuca</i> polysaccharide via modulation of gut microbiota in diabetic mice
9:10-9:20	PF59	<b>Ting Zhang, Northwest University, China</b> Identification of mouse metabolic variations related to patulin-induced acute and subacute hepatotoxicity by ultra-high performance liquid chromatography-high resolution mass spectrometry
9:20-9:30	PF60	<b>Junyu Liu, Tianjin University, China</b> Application of Nano Drug Delivery System (NDDS) in Cancer Therapy: A Perspective
9:30-9:40	PF61	<b>Shenyang Ji, Zhejiang University, China</b> Investigation of the mechanism of casein protein to enhance 3D printing accuracy of cassava starch gel
9:40-9:50	PF62	<b>Xueliang Chen, Zhejiang agriculture and Forestry University, China</b> Interactions between Endophytic fungus <i>Pestalotiopsis</i> sp. DO14 and <i>Dendrobium catenatum</i> : Deciphering



		plant growth promotion and underlying mechanisms via comparative transcriptome and metabolome analyses
10:00-10:10	PF63	<b>Baiqi Yang, Zhejiang Academy of Agricultural Sciences, China</b> Impact of melatonin application on lignification in water bamboo shoot during storage
10:10-10:20	PF64	<b>Qingyan Ruan, Zhejiang Chinese Medical University, China</b> Differential transcriptome analysis of genes associated with the rhizome growth and sesquiterpene biosynthesis in <i>Atractylodes macrocephala</i>
10:20-10:30	PF65	<b>Hongyun Lu, Zhejiang University, China</b> Extraction and evaluation anti-hypoxia efficacy of phenolic acid compounds from novel macrofungi <i>Agaricus sinodeliciosus</i> var. <i>Chaidam</i>
10:30-10:40	PF66	<b>Ruxin Gao, China Agricultural University, China</b> Screening and mechanism exploration of natural products for anti-obesity effect
10:40-10:50	PF67	<b>Yue Li, Zhejiang agriculture and Forestry University, China</b> Research on processing methods effect on an edible resource with nutritional characteristics and functional properties in <i>Polygonatum cyrtoneura</i> Hua flower
10:50-11:00	PF68	<b>Kaixin Li, China Agricultural University, China</b> Cyanidin-3-O-glucoside quinone induced covalent conjugate by pea protein: the structural formation and functional properties
11:00-11:10	PF69	<b>Yangyang Hu, Ningbo University, China</b> pH shifting treated curcumin-modified goose liver protein complex and its impact on the protein-lipid co-oxidation of emulsion
11:10-11:20	PF70	<b>Jia Xu, China Agricultural University, China</b> Artemether ameliorates non-alcoholic steatohepatitis by repressing lipogenesis, inflammation, and fibrosis in mice
11:20-11:30	PF71	<b>Yuchao Tang, Chinese Academy of Agricultural Sciences, China</b> Potential health benefits of <i>Lilium</i> Plants
11:30-11:40	PF72	<b>Yadan Zhang, Central South University of Forestry and Technology, China</b> Rice Bran Oil Attenuates Cognitive Impairment in D-galactose Mice via Modulating Cerebral $\beta$ -amyloid Accumulation and Tau Protein Phosphorylation
11:40-11:50	PF73	<b>Minghao Xu, Zhejiang University, China</b> Constraints and improvement progress of brown rice texture quality
11:50-12:00	PF74	<b>Lourdes del Carmen Ramos-Sustaita, Mexico</b> DNA extraction protocols proposal for the study of metagenomics on in vitro colonic fermentation samples of <i>Psidium</i> cultivars
Beijing time	No	<b>9 Aug</b> (Chair: <b>Xiaojun Huang &amp; Hui Wang</b> )
13:20-13:30	PF75	<b>Jun Yang, Nanchang University, China</b> <i>Mesona chinensis</i> polysaccharide-based pH-sensitive composite nanoparticles for effective oral administration of curcumin in the treatment of ulcerative colitis
13:30-13:40	PF76	<b>Yan Liu, Zhejiang University, China</b> Dietary cholesterol oxidation products: Perspectives linking food processing and storage with health implications
13:40-13:50	PF77	<b>Lu Xiang, Shandong Agricultural University, China</b> Two novel angiotensin I-converting enzyme inhibitory peptides from garlic proteins: in silico screening, stability, antihypertensive effects in vivo and underlying mechanisms.
13:50-14:00	PF78	<b>Xinyu Liu, China Agricultural University, China</b> Non-enzymatic Browning Induced by Chlorogenic Acid Quinone Mediated Catechin Oxidation
14:00-14:10	PF79	<b>Hui Zhang, Wuhan Botanical Garden, Chinese Academy of Sciences, China</b>

		Screening for $\alpha$ -glucosidase and pancreatic lipase ligands from mulberry leaves using bio-affinity ultrafiltration with multi-target
14:10-14:20	PF80	<b>Mengya He, RMIT University, China</b> Molecular characterization of interactions between Lectin – a protein from the common edible mushroom ( <i>Agaricus bisporus</i> ) - with dietary carbohydrates
14:20-14:30	PF81	<b>Yiwen Bao, Shenyang Agricultural University, China</b> Novel pH sensitivity and colorimetry-enhanced anthocyanin indicator films by chondroitin sulfate co-pigmentation for shrimp freshness monitoring
14:30-14:40	PF82	<b>Yan Shi, Zhejiang agriculture and Forestry University, China</b> Co-expressed gene network analysis revealed the MeJA-mediated biosynthesis mechanism of carbohydrates in <i>Dendrobium catenatum</i>
14:50-15:00	PF83	<b>Bowen Yang, Zhejiang University, China</b> Impact of photosensitizers and light wavelength on photooxidation of phytosterols in soymilk emulsions
15:00-15:10	PF84	<b>Wenchao Chen, Zhejiang agriculture and Forestry University, China</b> Metabolite profiling and transcriptome analyses reveal novel regulatory mechanisms of melatonin biosynthesis in hickory
15:10-15:20	PF85	<b>Carlos S. H. Shiraiishi, Instituto Politécnico de Bragança, Portugal</b> Fig ( <i>Ficus carica</i> L.) fruit bioresidues as sources of bioactive compounds for the food industry
15:20-15:30	PF86	<b>Lima, L.A, Instituto Politécnico de Bragança, Portugal</b> Antibacterial potential of Eucalyptus globulus leaf extracts against clinical bacterial strains
15:30-15:40	PF87	<b>Bruno Melgar, Instituto Politécnico de Bragança, Portugal</b> screening analysis of bioactive compounds from olive pomace through ultrasound assisted Extraction
15:40-15:50	PF88	<b>Monalisa Sahoo, Indian Institute of Technology Delhi, India</b> Effect of different drying techniques on the bioactive compounds and techno-functional characteristics of yam ( <i>Dioscorea pentaphylla</i> ) flours
15:50-16:00	PF89	<b>Yongbing Xu, Wuhan Botanical Garden, Chinese Academy of Sciences, China</b> Screening for potential bioactive components from <i>Rheum tanguticum</i> using affinity ultrafiltration with four target enzymes
16:10-16:20	PF90	<b>Doaa Abouelenein, University of Camerino, Italy</b> Plasma activated water treatment of rocket-salad leaves: Enhancement of phenolic profile, vitamins content, antioxidant and enzymatic activities
16:20-16:30	PF91	<b>Adel S. Gadallah, University of Karachi, Pakistan</b> Anti-inflammatory principles from <i>Tamarix aphylla</i> : a bioassay-guided fractionation study
16:30-16:40	PF92	<b>Yimei Zheng, Guangdong Ocean University, China</b> TPGS-based self-nanoemulsifying drug delivery system loaded with Luteolin: Insights to their formulation stability
16:40-16:50	PF93	<b>Yazhen Chen, Fujian Agriculture And Forestry University, China</b> The role of cell wall polysaccharides disassembly in <i>Phomopsis longanae</i> Chi-induced the developments of breakdown and softening in pulp of fresh longan
17:00-17:10	PF94	<b>Mohamed F. El-Mallah, Menoufia University, Egypt</b> Screening for natural and derived bio-active compounds in preclinical and clinical studies: one of the frontlines of fighting the coronaviruses pandemic
17:10-17:20	PF95	<b>Aya A. Shetaia, Menoufia University, Egypt</b> Nile crab <i>Potamonautes niloticus</i> soft tissue extract abolishes early obesity markers
17:20-17:30	PF96	<b>Hanan R. Ahmed, Menoufia University, Egypt</b> Bee Stressors from an Immunological Perspective and Strategies to Improve Bee Health
17:30-17:40	PF97	<b>Asmaa El-Asar, Menoufia University, Egypt</b>

		The Immunomodulatory Effects of <i>Cornus officinalis</i> Torr. Ex Dur and <i>Nelumbo nucifera</i> Gaertn.
17:40-17:50	PF98	<b>Esraa H. Elshafiey, Menoufia University, Egypt</b> Overview of Bee Pollination and Its Economic Value for Crop Production
17:50-18:00	PF99	<b>Nehal Eid, Menoufia University, Egypt</b> Honey Bee Products: Preclinical and Clinical Studies of Their Anti-inflammatory and Immunomodulatory Properties
18:00-18:10	PF100	<b>Saumya Sonam Sinha, NIFTEM, India</b> Development and optimization of oleogel made with soya protein isolate and xanthum gum using emulsion template approach
18:10-18:20	PF101	<b>Yixin Zheng, Shanghai Jiao Tong University, China.</b> Concentration-dependent fibrillation of soy protein: Structure and <i>in vitro</i> digestion
18:20-18:30	PF102	<b>David Teixeira, National Institute for Agricultural and Veterinary Research, Portugal.</b> Antioxidant properties of pulp and by-products of apple ( <i>M. domestica</i> ): comparison between commercial and regional varieties
18:30-18:40	PF103	<b>Javier Echave, Univeristy of Vigo, Spain</b> Seaweeds as novel & nutritious protein sources
18:40-18:50	PF104	<b>Paula Garcia-Oliveira, Univeristy of Vigo, Spain</b> Re-valorization of <i>Carpobrotus edulis</i> as a source of rich-phenolic extracts with biological properties
18:50-19:00	PF105	<b>María Carpena, Univeristy of Vigo, Spain</b> Response surface methodology as a tool to optimize the microwave-assisted extraction of <i>Sargassum muticum</i>