



2019

THE INTERNATIONAL CONFERENCE OF FOOD SAFETY AND HEALTH

***"Food safety, security and regulation, risk
evaluation, nutrition, phytochemistry, cancer
prevention and precision cancer medicine"***

DATE : NOV 26-28, 2019

PLACE : SPLENDOR HOTEL, TAICHUNG, TAIWAN

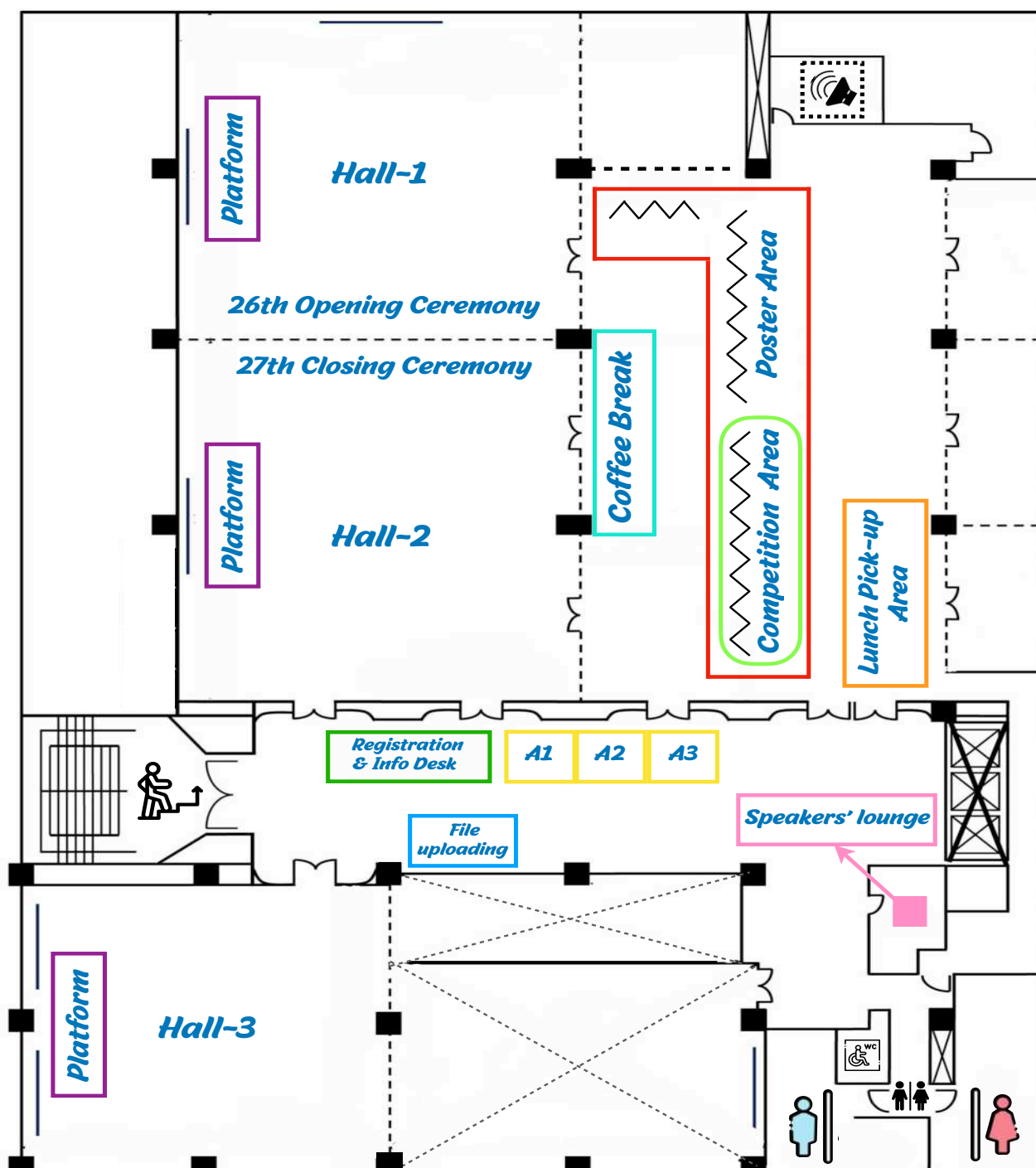


PROGRAM AT A GLANCE

MONDAY (Nov. 25)	TUESDAY (Nov. 26) Registration (13F) (7:30-17:30) Kit Distribution	WEDNESDAY (Nov. 27) Registration (13F) (7:30-8:30)		
Registration (1F Lobby) (15:00–18:00)	Opening Ceremony (Hall-1&2) (8:30-9:00)	Session 10 (Hall-1) Cancer (Precision Medicine)	Session 11 (Hall-2) Food Technology/ Food Processing/ Health	Session 12 (Hall-3) Functional Food/ Nutrition/ Health
	Coffee Break and Poster Presentations (9:00-9:30)	Coffee Break and Poster Presentations (8:30 - 9:50)		
	Session 1 Session 2 Session 3 (Hall-1) (Hall-2) (Hall-3) Functional Food/ Food Safety/ Phytotherapy/ Nutraceuticals/ Security Phytochemistry Nutrition/Health /Pharmacology	Session 13 (Hall-1) Functional Food/ Nutraceuticals/ Nutrition/Health	Session 14 (Hall-2) Food Technology/ Food Trade/ Nutrition	Session 15 (Hall-3) Functional Food/ Nutrition/ Health
	Lunch & Poster Presentations (12:10 -13:00) Luncheon Seminar (Hall 2) (12:10 -12:30)	Awards Distribution & Closing Ceremony (12:10-12:40) (Hall-2)		
	Session 4 Session 5 Session 6 (Hall-1) (Hall-2) (Hall-3) Functional Food/ Food Safety/ Phytotherapy/ Nutraceuticals/ Security Phytochemistry Nutrition/Health /Pharmacology	Field Trip (1F Lobby) Alishan (ticketed event) (13:00~)		
	Coffee Break and Poster Presentations (15:00-15:20)	THURSDAY (Nov. 28) Return from Alishan (Visit-Industries) around 20:00-21:00 (tentative)		
	Session 7 Session 8 Session 9 (Hall-1) (Hall-2) (Hall-3) Cancer Food Safety/ Phytotherapy/ (Precision Security Phytochemistry Medicine) /Pharmacology			
	Gala Dinner (11F) (ticketed event) (18:30-19:00 cocktail, 19:00-21:00 dining party)			

CONFERENCE VENUE PLAN

13th Floor



Exhibition Area :

A1 : Standard Foods Corporation

A2 : SMAD Biotechnology Co., Ltd.

A3 : Jing Young Biotech Business Co., Ltd.

ORAL PRESENTATION PROGRAM

Monday - November 25, 2019

Registration (15:00 – 18:00)

Tuesday - November 26, 2019

Registration (7:30 – 17:30)

Opening Ceremony (8:30-9:00)

Rules for the Oral Presentation: Each Speaker should complete his/her presentation within 18 min and the last 2 min for open discussion.

COFFEE BREAK AND POSTER PRESENTATIONS

(9:00-9:30)

Details of Session-1 (Hall-1) (9:30 -12:10)

Title: Functional Food/Nutraceuticals/Nutrition/Health

Chairs: Dr. Mary K. Schmidl & Dr. Lucy Sun Hwang

Speakers and Titles:

- 1-1. Dr. Mary K. Schmidl, University of Minnesota, USA
Title: Sugar: A Sweet and Bitter Challenge
- 1-2. Dr. Ardiansyah Michwan, Universitas Bakrie, Indonesia
Title: Functional properties of dual fermented rice bran to improve metabolic-related diseases in SHRSP
- 1-3. Dr. Jiankang Liu, Xi'an Jiaotong University School of Life Science, China
Title: Targeting mitochondria for preventing and treating diabetes with natural compounds from food and nutrition
- 1-4. Dr. Elvira Gille, Head of NIRDBS/"Stejarul" Biological Research Centre, Romania
Title: Romanian traditional herbs and spices: nutraceutical potential on human health
- 1-5. Dr. Christofora Hanny Wijaya, Bogor Agricultural University, Indonesia
Title: Value-added utilization of non-timber sustainable forest product cajuput essential oil as a novel functional flavor

- 1-6. Dr. Ivanova Vera, ITMO University, Russia
Title: The application of biologically active substances of natural origin in the functional foods
- 1-7. Dr. Chau Nguyen, Saigon Technology University, Vietnam
Title: Functional Foods in Vietnam – An overview of the market, and noted local ingredients
- 1-8. Dr. Elfahmi, Bandung Institute of Technology, Indonesia
Title: Exploring of flavonoid-rich plants for herbal medicines and nutraceutical

Details of Session-2 (Hall-2) (9:30 -12:10)

Title: Food Safety/Security

Chairs: Dr. Huub Lelieveld & Dr. James Swi-Bea Wu

Speakers and Titles:

- 2-1. Dr. Huub Lelieveld, Co-founder and President of the Global Harmonization Initiative (GHI), Netherlands
Title: Preventing food safety incidents resulting from food crimes
- 2-2. Dr. Juei-Tang Cheng, Chang Jung Christian University, Taiwan
Title: Food safety and pleiotropic effects of nutrients
- 2-3. Dr. Jer-An Lin, National Chung Hsing University, Taiwan
Title: Assessment of safety of commercial products of dark brown sugar in Taiwan by fluorescent fingerprinting targeting on Maillard reaction products
- 2-4. Dr. Kamesh Venkatakrishnan, Chung Shan Medical University, Taiwan
Title: Risk of illegal or unauthorized Food Additive's: An overview
- 2-5. Dr. Giyatmi Irianto, Universitas Sahid Jakarta, Indonesia
Title: Effects of concentration and soaking period of bilimbi fruit (*Averrhia bilimbi Linn*) juice on the quality of patin catfish fillets (*Pangasius sp*)
- 2-6. Dr. Deng-Jye Yang, National Yang-Ming University, Taiwan
Title: Determination of the EU priority polycyclic aromatic hydrocarbons (PAHs) in charcoal-grilled chicken drumsticks
- 2-7. Dr. Hari Eko Irianto, Research and Development Center for Marine and Fisheries Product Processing and Biotechnology Jakarta, Indonesia
Title: Formalin case in moonfish (*Lampris guttatus*)

- 2-8 Dr. Mona Elena Popa, University of Agronomic Sciences and Veterinary Medicine of Bucharest, Romania

Title: Innovation and sustainability in food packaging and food safety

Details of Session-3 (Hall-3) (9:30 -12:10)

Title: Phytotherapy/Phytochemistry/Pharmacology

Chairs: Dr. Anca Miron & Dr. Jian-Bo Xiao

Speakers and Titles:

- 3-1. Dr. Adam Matkowski, Wroclaw Medical University, Poland
Title: What doesn't kill you helps the others stay healthy? Effects of stress adaptation on medicinal plants
- 3-2. Dr. Anca Miron, Grigore T. Popa University of Medicine and Pharmacy Iasi, Romania
Title: Revisiting medicinal plants for the development of novel herbal supplements
- 3-3. Dr. David Pei-Cheng Lin, Chung Shan Medical University, Taiwan
Title: Dendrobium nobile Lindl. ethanol extracts (DEE) prevent against UVB-induced early cataractogenesis in a mouse model
- 3-4. Dr. Dejian Huang, National University of Singapore, Singapore
Title: Understanding the hydrogen sulfide releasing mechanisms of dietary organosulfides found in allium and cruciferous vegetables
- 3-5. Dr. Elwira Sieniawska, Medical University of Lublin, Poland
Title: Plant foods against Mycobacterium tuberculosis
- 3-6. Dr. Hao Jing, China Agricultural University, China
Title: Organosulfur compounds in black garlic
- 3-7. Dr. Jian-Bo Xiao, University of Macau, Macau
Title: Metabolites of polyphenols in cells
- 3-8. Dr. Kartik Baruah, Swedish University of Agricultural Sciences, Sweden
Title: Targeting heat shock proteins by polyphenols to fight infections

Lunch Break/Poster Presentations (12:10 -13:00)

Luncheon Seminar: Dr. Chin-Kun Wang

Cardiovascular health promotion: Sponsored by Herbalife (12:10 to 12:30)

Details of Session-4 (Hall-1) (13:00-15:00)

Title: Functional Food/ Nutraceuticals/Nutrition/Health

Chairs: Dr. Hisanori Kato & Dr. Chia-Jui Weng

Speakers and Titles:

- 4-1. Dr. Jae Youl Cho, Sungkyunkwan University, South Korea
Title: Korean ginseng as a promising immunomodulatory healthy herb
- 4-2. Dr. Zhizhuang Joe Zhao, University of Oklahoma Health Sciences Center, USA
Title: Plant alkaloid homoharringtonine is highly effective in treating hematological malignancies
- 4-3. Dr. Hisanori Kato, University of Tokyo, Japan
Title: Maternal protein restriction during pregnancy causes exacerbated salt sensitivity in pups of spontaneously hypertensive rats by epigenetic alterations
- 4-4. Dr. Hsin-Lun Huang, Eastern Taiwan Deep Sea Water Innovation & Research Center, Taiwan
Title: Evaluation of deep sea water formula on gastrointestinal protection and chronic diseases prevention
- 4-5. Dr. Chia-Jui Weng, Tainan University of Technology, Taiwan
Title: Evaluation of anti-aging effect of patent active water on particulate matter 2.5 μm (PM2.5)-treated endothelial EA. hy 926 cells
- 4-6. Dr. Hsiao-Ling Chen, Asia University, Taiwan
Title: Konjac glucomannan polysaccharide and inulin oligosaccharide enhance the colonic mucosal barrier function and antioxidant defense system in C57BL/6J mice

Details of Session-5 (Hall-2) (13:00-15:00)

Title: Food Safety/Security

Chairs: Dr. Firouz Darroudi & Dr. Dora Marinova

Speakers and Titles:

- 5-1. Dr. Firouz Darroudi, Leiden University and Leiden University Medical Center, Qatar
Title: Approaching toward food safety examinations globally under harmonized toxicological testing standards *in vitro*, and an alternative to animal testing

- 5-2. Dr. Diana Bogueva, Curtin University Sustainability Policy Institute, Australia
Title: Food choices and perceptions of masculinity
- 5-3. Dr. Lee-Yan Sheen, National Taiwan University, Taiwan
Title: Microbiological risk assessment of *Staphylococcus aureus* in ready-to-eat lettuce in Taiwan
- 5-4. Dr. Livia Simon-Sarkadi, Szent István University, Hungary
Title: Role of amino acids and biogenic amines in food quality and safety
- 5-5. Dr. Gokare A. Ravishankar, Dayananda Sagar Institutions, India
Title: Quality & safety aspects of wide range of foods and food ingredients from large scale production of algal biomass
- 5-6. Dr. Dora Marinova, Curtin University Sustainability Policy Institute, Australia
Title: Improving food security through alternatives to livestock products

Details of Session-6 (Hall-3) (13:00-15:00)

Title: Phytotherapy/Phytochemistry/Pharmacology

Chairs: Dr. Kenji Sato & Dr. Milen I. Georgiev

Speakers and Titles:

- 6-1. Dr. Kenji Sato, Kyoto University, Japan
Title: Glyceraldehyde, hidden player for high fat diet-induced liver damage
- 6-2. Dr. Jing-Hsien Chen, Chung Shan Medical University, Taiwan
Title: The study of anti-atherosclerotic effects and molecular mechanism of Hibiscus leaf extract
- 6-3. Dr. Kazumi Yagasaki, Utsunomiya University, Japan
Title: Antihyperuricemic effects of quercetin, isorhamnetin and taxifolin, structurally similar plant polyphenols, in cultured hepatocytes and model mice with purine bodies-induced hyperuricemia
- 6-4. Dr. Kuan-Chen Cheng, National Taiwan University, Taiwan
Title: Bioactivity of *Ganoderma spp.* and their possible applications
- 6-5. Dr. Palanivel Ganesan, Konkuk University, South Korea
Title: Antineuroinflammatory effects of phytocompounds from traditional polyherbal tea in lipopolysaccharide (LPS) induced *in vitro* and *in vivo* model

- 6-6. Dr. Milen I. Georgiev, Bulgarian Academy of Science, Bulgaria
Title: From plants to pharmacy shelf: can we accelerate this long journey?

COFFEE BREAK AND POSTER PRESENTATIONS
(15:00-15:20)

Details of Session-7 (Hall-1) (15:20-18:10)

Title: Cancer (Precision Medicine)

Chairs: Dr. Claudia Cerella & Dr. Gow-Chin Yen

Speakers and Titles:

- 7-1. Dr. Chi-Hao Wu, National Taiwan Normal University, Taiwan
Title: Prostate cancer malignancy is enhanced by glycotoxins
- 7-2. Dr. Claudia Cerella, Fondation Recherche sur le Cancer et les Maladies du Sang, Hospital, Luxembourg
Title: Identification of markers of response to phytochemicals for anti-cancer targeted decision making strategy
- 7-3. Dr. Francesca Giampieri, UNIVPM, Italy
Title: Updated insights into the mechanism of action of honey phytochemicals against colorectal cancer
- 7-4. Dr. Gow-Chin Yen, National Chung Hsing University, Taiwan
Title: Phenolic compound enhances chemosensitivity through RAGE suppression in human pancreatic cancer cells
- 7-5. Dr. Hui-Min David Wang, National Chung Hsing University, Taiwan
Title: Novel strategies in cancer therapies from functional food ingredients
- 7-6. Dr. Jie Ni (Kevin), The University of New South Wales, Australia
Title: microRNA signature in tumour-derived exosomes is associated with prostate cancer radioresistance
- 7-7. Dr. Li-Shu Wang, Medical College of Wisconsin, USA
Title: A Food-Based approach for cancer immunoprevention
- 7-8. Dr. Yong Li, Cancer Care Centre, St George Hospital, Australia
Title: Cancer stem cells confer radioresistance in triple negative breast cancer

Details of Session-8 (Hall-2) (15:20-18:10)

Title: Food Safety/Security

Chairs: Dr. Shizuo Yamada & Dr. Thierry J.C. Regnier

Speakers and Titles:

- 8-1. Dr. Shizuo Yamada, University of Shizuoka, Japan
Title: Safety of Functional Foods: Pharma-Food interaction with medicines
- 8-2. Dr. Noor Zafira Noor Hasnan, Universiti Putra Malaysia, Malaysia
Title: Hygienic Design of Food Processing Facility – Challenges for small and medium industries
- 8-3. Dr. Kar Lin Nyam, UCSI University, Malaysia
Title: Smart packaging to enhance food safety and quality
- 8-4. Dr. Oksana Golovinskaia, ITMO University, Russia
Title: The use of metabolic products of *Medusomyces Gisevi* fungus to increase the storage of bakery products
- 8-5. Dr. Parisa Norouzitallab, Ghent University, Belgium
Title: Environmental stress, food safety, and consumer health: Epigenetics management of the trio
- 8-6. Dr. Yi-Chen Lo, National Taiwan University, Taiwan
Title: *Bacillus* and *Paenibacillus* are likely associated with the quality of tofu during storage in Taiwan
- 8-7. Dr. Bo Jiang, Professor, Jiangnan University, China
Title: Enzymatic preparation and characterization of partially hydrolyzed algin
- 8-8. Dr. Thierry J.C. Regnier, Tshwane University of Technology, South Africa (RSA)
Title: Food Security, Nutrition and Well-Being: Perspective for the 21st century South Africa's challenges

Details of Session-9 (Hall-3) (15:20-18:10)

Title: Phytotherapy/Phytochemistry/Pharmacology

Chairs: Dr. Yong Sang Song & Dr. Anat Elmann

Speakers and Titles:

- 9-1. Dr. Thavaree Thilavech, Mahidol University, Thailand
Title: Lipid lowering mechanisms of Cyanindin-3-rutinoside through inhibition of key enzyme and steps related to lipid digestion and absorption *in vitro*
- 9-2. Dr. Takuya Sugahara, Ehime University, Japan
Title: Anti-allergy effect of Mango (*Mangifera indica* L.)
- 9-3. Dr. Chin Kun Wang, Chung Shan Medical University, Taiwan
Title: Exploring the role of lutein during all life span
- 9-4. Dr. Ying-Chieh Tsai, National Yang-Ming University, Taiwan
Title: Psychobiotics as biotherapeutic agents for Neurodegenerative Disorders
- 9-5. Dr. Yong Sang Song, Seoul National University, South Korea
Title: Precision medicine in post-menopausal obesity
- 9-6. Dr. Chun-Yi Hu, Meiho University, Taiwan
Title: Immunomodulatory effects and hypoglycemic action of probiotics exopolysaccharide
- 9-7. Dr. Maurizio Battino, Università Politecnica delle Marche, Italy
Title: Strawberry phytochemicals: a strategic tool for the prevention of human chronic diseases
- 9-8. Dr. Anat Elmann, Institute of Postharvest and Food Sciences, Israel
Title: Phytochemicals in the service of the brain

GALA DINNER (11F)

(Ticketed event)

(18:30-19:00 cocktail, 19:00-21:00 dining party)

Wednesday- November 27, 2019

Registration (7:30 – 8:30)

Details of Session-10 (Hall-1) (8:30 - 9:50)

Title: Cancer (Precision Medicine)

Chairs: Dr. Johji Inazawa & Dr. Danny N. Dhanasekaran

Speakers and Titles:

- 10-1.** Dr. Johji Inazawa, Tokyo Medical and Dental University, Japan
Title: microRNA therapeutics in Precision Cancer Medicine
- 10-2.** Dr. Il Kim, BK21 Plus Center for Advanced Chemical Technology, South Korea
Title: Stimuli-responsive polypeptide-based smart Nano-drugs for targeted intracellular delivery to cancer cells
- 10-3.** Dr. Benjamin K. Tsang, University of Ottawa, Canada
**Title: Chemoresistant ovarian cancer in an era of precision cancer medicine:
From cellular mechanisms to new diagnostic and therapeutic strategies**
- 10-4.** Dr. Danny N. Dhanasekaran, Stephenson Cancer Center, USA
Title: Multi-omics Strategy for Precision Cancer Medicine

Details of Session-11 (Hall-2) (8:30 - 9:50)

Title: Food Technology/Food Processing/Health

Chairs: Dr. Paola Pittia & Dr. Paul Singh

Speakers and Titles:

- 11-1.** Dr. Chang-Wei Hsieh, National Chung Hsing University, Taiwan
Title: Preparation of *S*-allyl-(L)-cysteine-enriched black garlic by two-step processing and exploration of the health care functions
- 11-2.** Dr. Paola Pittia, University of Teramo, Italy
Title: Solid-state technologies for encapsulation of bioactives in glassy matrices
- 11-3.** Dr. Katarzyna Swiader, Warsaw University of Life Sciences, Poland
Title: Possibilities of using Tagatose and Isomaltulose in non-alcoholic beverages

- 11-4. Dr. Paul Singh, The University of California, USA
Title: Understanding food breakdown during gastric digestion for improved bioaccessibility

Details of Session-12 (Hall-3) (8:30 - 9:50)

Title: Functional foods/Nutrition/Health

Chairs: Dr. Debasis Bagchi & Dr. Klaus W. Lange

Speakers and Titles:

- 12-1. Dr. Debasis Bagchi, University of Houston, USA
Title: A randomized, double-blind, placebo-controlled study on n-sorb, a proprietary KD120 MEC metabolically activated enzyme formulation
- 12-2. Dr. Rindit Pambayun, Sriwijaya University, Indonesia
Title: Effect of chewing marshmallow containing betel chew in reducing *Streptococcus mutans* and plaque index on children
- 12-3. Dr. Muhammad Zohaib Aslam, Beijing Forestry University, China
Title: Comparative analysis of anti-hypertensive bioactive peptides extracted from fermented goat and buffalo milk
- 12-4. Dr. Klaus W. Lange, University of Regensburg, Germany
Title: Are there serious adverse effects of omega-3 fatty acid supplements?

COFFEE BREAK AND POSTER PRESENTATIONS

(9:50-10:20)

Details of Session-13 (Hall-1) (10:20 -12:10)

Title: Functional Food/Nutraceuticals/Nutrition/Health

Chairs: Dr. Marc Diederich & Dr. Petras Rimantas Venskutonis

Speakers and Titles:

- 13-1. Dr. Marc Diederich, Seoul National University, South Korea
Title: Natural compounds induce immunogenic cell death in cancer

- 13-2. Dr. Liviu Gaceu, University of Brasov, Romania
Title: Researches on the use of Wheat and Grape epicarp flour mixes for functional bakery products
- 13-3. Dr. Mark Shamtsyan, St. Petersburg State Institute of Technology, Russia
Title: Biological activities of mushrooms and prospects of their utilization in pharmacy and to develop functional food products
- 13-4. Dr. Petras Rimantas Venskutonis, Kaunas University of Technology, Lithuania
Title: Application of biorefining concept in developing botanical ingredients for Functional Foods and Nutraceuticals
- 13-5. Dr. Umar Santoso, University of Gadjah Mada, Indonesia
Title: Antioxidative properties of the young Coconut (*Cocos nucifera* L.) water extract *In Vivo*

Details of Session-14 (Hall-2) (10:20 -12:10)

Title: Food Technology/Food Trade/Nutrition

Chairs: Dr. Atef Wafic Idriss & Dr. Nadiya Boyko

Speakers and Titles:

- 14-1. Dr. Tai Sheng Yeh, Meiho University, Taiwan
Title: Comparison of machine learning algorithms and data preprocessing methods for classification of tea samples
- 14-2. Dr. Atef Wafic Idriss, CEO of MEFOSA SARL, Lebanon
Title: Drivers of fish trade between Middle East and Taiwan
- 14-3. Dr. Nadiya Boyko, Uzhhorod National University, Ukraine
Title: Novel Functional Folk Food concept based on consumption of designed ethnic products by applying unique AL and ML for personal and saved nutrition calculation
- 14-4. Dr. Folake Idowu-Adebayo, Federal University Oye, Nigeria
Title: Bio-accessibility of Curcumin in Turmeric- fortified cow and soy milk
- 14-5. Dr. Ignasius Radix AP Jati, Widya Mandala Surabaya Catholic University, Indonesia
Title: Development of anthocyanin rich colored rice food bar pre-treated with calcium solution from eggshell as source of antioxidant

Details of Session-15 (Hall-3) (10:20 -12:10)

Title: Nutrition/Health/Functional Food

Chairs: Dr. Georgios Marakis & Dr. Perry Ng

Speakers and Titles:

- 15-1. Dr. Bing Wang, Charles Sturt University, Australia
Title: Translational nutrition and food science in human biomedical research: Focus on complex carbohydrates in food for health
- 15-2. Dr. Georgios Marakis, Hellenic Food Authority, Greece
Title: Salt and Health – strategy to reduce salt by the Hellenic Food Authority
- 15-3. Dr. Perry Ng, Michigan State University, USA
Title: Wheat: Friend and Foe to Human Health
- 15-4. Dr. Szu-Chuan Shen, National Taiwan Normal University, Taiwan
Title: Anti-diabetic activity of Myrtaceae plant
- 15-5. Dr. Indah Kuswardani, Widya Mandala Surabaya Catholic University, Indonesia
Title: The benefit of adding papaya (*papaya carica*) flour to an alginate matrix for entrapping probiotic cell for intestinal health

AWARD DISTRIBUTION AND CLOSING CEREMONY

(12:00-12:30)

Field Trip (1st Floor Lobby)

Alishan (Ticketed Event)

(13:00-Next day)

Thursday- November 28, 2019

Return from Alishan (Visit-Industries) around 20:00-21:00 pm



本 **THE INTERNATIONAL CONFERENCE OF FOOD SAFETY AND HEALTH 2019**

經濟部國際貿易局「推動國際會議及展覽在臺辦理計畫」補助。