

Scientific Program

Day-1 (March 30, 2020)

08:30-08:55 Registrations

08:55-09:00 Opening Ceremony

Keynote Forum

09:00-09:30 **Title: Stop NO_x, NP elimination activate food production and protect global warming**
Shoichiro Ozaki, Ehime University, Japan.

09:30-10:00 **Title: Utilisation of Phytochemicals Extracted from Cassava (Manihot Esculenta Crantz) Against the Major Pests of Horticultural Crops**
C.A. Jayaprakas, Central Tuber Crops Research Institute Thiruvananthapuram, India.

Major Session:

Food and Nutrition, Pharmaceuticals and Drugs, Environment, Energy and Water Fulfilling the Basic Necessities of Human Individuals

10:00-10:20 **Title: Numerical investigation of fluid flow, light distribution and cellular growth kinetics in bubble column photobioreactors**
Giovanni Luzi, LSTME Busan Branch, Busan, South Korea.

10:20-10:40 **Title: PVDF-based optoacoustic spectroscopy for the identification of clathrates**
Thomas Stahl, LSTME Busan Branch, Busan, South Korea.

10:40-11:00 **Title: Process development for sustainable production of antiviral exopolysaccharides**
Alexander Jahn, German Engineering Research and Development Center LSTME Busan, South Korea.

Coffee Break 11:00-11:15

11:15-11:35 **Title: Eukaryotic Microalgae as a Source of High-Value Bioactive Metabolites**
Khawaja Muhammad Imran Bashir, LSTME Busan Branch, Busan, South Korea.

11:35-11:55 **Title: Surface treatment for enhanced Photoelectrochemical water-splitting performance of hematite**
Hyo-Jin Ahn, LSTME Busan Branch, Busan, South Korea.

11:55-12:15 **Title: Energy Consumption Estimation of Juice Concentration using Hydrate Technology**
Jawon Ha, LSTME Busan Branch, Busan, South Korea.

12:15-12:35 **Title: Impact of cytoskeleton affecting drugs on linear viscoelastic cell properties**
Suhyang Lee, LSTME Busan Branch, Busan, South Korea.

12:35-12:55 **Title: Optimal Cultivation method and Parameter for Sparassis Crispa Mycelium and β -glucan, content comparison**
Kyoung Min Rheu, LSTME Busan Branch, Busan, South Korea.

Lunch Break 12:55-13:30

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- 13:30-13:50** **Title: Novel Fruit Juices Concentration Process Utilizing Gas Hydrate Technology**
Soebiakto Loekman, LSTME Busan Branch, Busan, South Korea.
- 13:50-14:10** **Title: Applied CO₂ gas hydrate technology for the concentration of liquid foodstuffs**
Timo Claben, Institute of Fluid Mechanics, FAU Erlangen-Nuremberg, Germany.
- 14:10-14:30** **Title: Influence of Frequency and Location in The Defoaming of Mechanically and Thermally Produced Foams with Ultrasound in the Food Industry**
Julian Thünnesen, Institute of Fluid Mechanics, Germany.
- 14:30-14:50** **Title: Macro-Mesoscale coupling for foam simulations in chemical processes**
Mohammad Mobarak, Institute of Fluid Mechanics, Germany.
- 14:50-15:10** **Title:**
Byeongwoo Ke, LSTME Busan Branch, Busan, South Korea.

Major Session:

Biotechnology in Medical and Health Care, Environmental Biotechnology, Pharmaceutical Biotechnology, Biofuels, Bioenergy, Genetic Engineering

- 15:10-15:30** **Title: What are the realistic ways of application of LAB as a safe biopreservation tools in food fermentation processes?**
Svetoslav Dimitrov Todorov, Handong Global University, South Korea.

Coffee Break 15:30-15:45

- 15:45-16:05** **Title: Synthesis and evaluation of analgesic, anti-inflammatory and anti-bacterial activity of beta and meso 5,10,15,20-tetraphenylporphyrins Schiff bases and Presenting**
Mian Gul Sayed, University of Swat, Pakistan.
- 16:05-16:25** **Title: Biodiversity & Pharmacology of Marine algae**
Khalid Aftab, University of Health Sciences & Liaquat National Hospital Medical College, Pakistan.
- 16:25-16:45** **Title: Microorganisms and Phytochemical Parameters present in the Fermented African Locust Beans (*Parkia Biglobosa*) Effluents with and without its Chaffs**
Olukunle, O. F, Federal University of Technology, Nigeria.
- 16:45-17:05** **Title: Microorganisms and Phytochemical Parameters present in the Fermented African Locust Beans (*Parkia Biglobosa*) Effluents with and without its Chaffs**
Oriola, O. B, Federal University of Technology, Nigeria.
- 17:05-17:25** **Title: Microorganisms and Phytochemical Parameters present in the Fermented African Locust Beans (*Parkia Biglobosa*) Effluents with and without its Chaffs**
Olukunle, O. J, Federal University of Technology, Nigeria.
- 17:25-17:45** **Title: Processing Wheat Straw Industry - A Perspective Source For Glucose Production**
Zhaksylyk Makhatov, M.Auezov South Kazakhstan State University, Kazakhstan.

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Day-2 (March 31, 2020)

08:30-09:00 Registrations

09:00-09:20 Title: Comparative Proteomic Analysis Reveals That the Heterosis of Two Maize Heterotic Hybrids is Related to Enhancement of Stress Response and Photosynthesis Respectively

Yinghong Pan, Chinese Academy of Agricultural Sciences, China.

09:20-09:40 Title: Inhalation vaccine development

Dibyajyoti Banerjee, Postgraduate Institute of Medical Education and Research, India.

09:40-10:00 Title: Development of A PCR-Based Method In The Detection And Identification of Tobacco Mosaic Virus (TMV) And Potato Virus Y (PVY) In Tobacco

Muzerengwa R, National Biotechnology Authority, Zimbabwe.

10:00-10:20 Title: Identification of low abundance proteins in milk of Indian goat breeds for human health application

Mahima Verma, ICAR-Central Institute for Research on Goats, India.

Major Session:

Food Science and Technology, Probiotics and Nutrition, Probiotics in Food Microbiology, Food Safety, Prebiotics

10:20-10:40 Title: Probiotics Promote Taurine sensitization; A Gentle Medicine: Component of Functional Food & Nutraceuticals for Good Health

Ramesh C Gupta, Nagaland University, India.

10:40-11:00 Title: How to select a probiotic? A review and update of methods and criteria

Gilberto Vinicius de Melo Pereira, Federal University of Paraná (UFPR), Brazil.

Coffee Break 11:00-11:15

11:15-11:35 Title: The Effects of Sypplementation of Aromatic and Herbal Plant as Feed Additive on Rumen Fermentation Parameters

Hassan Awny Fouad Rahmy, Faculty of Agriculture- Cairo University, Egypt.

11:35-11:55 Title: Development of multispecies/multistrains probiotic mixture from Bangladeshi local isolates and their validation for potential use in commercial poultry industry

K. B. M. Saiful Islam, Sher-e-Bangla Agricultural University, Bangladesh.

11:55-12:15 Title: The potential of insect meal in improving food security in Malawi: an alternative of soybean and fishmeal in livestock feed

M. Mulumpwa, Monkey Bay Fisheries Research Unit, Malawi.

12:15-12:35 Title: Community pharmacists' perceptions, awareness and practices regarding counterfeit medicines: A cross-sectional study in Alexandria, Egypt

Amira Bashir, Alexandria University, Egypt.

12:35-12:55 Title: Characterization Of Acidophilus-Bifidus Milk Fortified With Apple Peel Polyphenol Extract

Ishtiaque Ahmad, University of Veterinary and Animal Sciences, Pakistan.

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Lunch Break 12:55-13:30

13:30-13:50 Title: Fat wars by combination of Green Tea Extract and Caffeine, burning more calories and effect on fat oxidation in humans

Ramin Shafii, Food Biotechnology Program, Faculty of Biotechnology, Assumption University, Thailand

Major Session:

Food Safety, Food Microbiology, Nutrigenetics and Nutrigenomics

13:50-14:10 Title: Meat based functional foods with lipid lowering bioactive substances

Irina Chernukha, V.M.Gorbatov Federal research center for food systems of Russian Academy of Sciences, Russian Federation.

14:10-14:30 Title: Food Ethic, Food Falsification and Risks Management

Kakha Nadiradze, Association for Farmers Rights Defense, AFRD, Georgia.

14:30-14:50 Title: Dietary dialysis with acacia gum: Intestinal dialysis technology

Aamir Jalal Al-Mosawi, Baghdad Medical City, Iraq.

14:50-15:10 Title: Rational use of antibiotics: an overviews

Kazi Rafiqul Islam, Bangladesh Agricultural University, Bangladesh.

15:10-15:30 Title: Effects of different edible oils on the intestinal flora in mice

Liu Hechun, School of Public Health Southeast University, China.

Coffee Break 15:30-15:45

Major Session:

Plant, Animal Biotechnology and Cell Culture, Microbiology and Genetic Engineering
Agronomy and Agricultural Research, Soil Science, Water Management

15:45-16:05 Title: Genetic dissection of catechin content in tea plants

Liang Chen, Tea Research Institute of the Chinese Academy of Agricultural Sciences, China.

16:05-16:25 Title: Proximate composition and mineral contents of representative green, brown and red seaweeds species from Sri Lanka

Amal D premarathna, University of Peradeniya, Sri Lanka.

16:25-16:45 Title: The mechanism of nitrate-Cr(VI) reduction mediated by microbial under different pH

Yutian Hu, China University of Geosciences (Beijing), China.

16:45-17:05 Title: Feasibility and Mechanism of Microbial-Phosphorus Minerals-Alginate Immobilized Particles in Chromium(VI) Bioreduction

L.L. Ma, China University of Geosciences (Beijing), China.

17:05-17:25 Title: Use of artichoke waste as a source of coagulant enzymatic extracts as an alternative to animal rennet in the development of cheeses

Hamma.Faradji Samia, University of Bejaia, Algeria.

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17:25-17:45 **Title: Nutrient Seed Priming with Zinc Metal Ion to Improve Growth and Yield of Maize Crop (*Zea mays* L.) on Aridisols**
Mukkram Ali Tahir, University of Sargodha, Pakistan

Posters

Time: 17:45-18:45

- P-01** **Title: Molecular Characterization and Identification of Zoonotic Pathogens Isolated from Fecal Contents of *Pteropus giganteus* in Udaipur, Rajasthan, India**
Sushil Kumar Barolia. M. L. Sukhadia University, India.
- P-02** **Title: Metabolome and gut microbiome biomarkers for obesity and aging in randomly selected Kazakh individuals**
Ainur Akilzhanova, Nazarbayev University, Kazakhstan.
- P-03** **Title: Discovery of New Antibacterial Mechanisms of Influence of Magnetite Nanoparticles (MCS-B)**
Andrey Belousov, Transfusiology and Hematology Kharkov Medical Academy of Postgraduate Education, Ukraine.
- P-04** **Title: Effect of the spray drying wall-materials on the viability of *L. rhamnosus* storage at different temperatures**
Hugo Espinosa Andrews, CIATEJ, A.C, Mexico.
- P-05** **Title: Developing of iron entrapped niosomes in gelatin hydrogels**
García Márquez, E, Food Technology, CIATEJ, A.C, Mexico
- P-06** **Title: The impact of climate change on the glaciers of Kyrgyzstan**
Ermenbaev Bakytbek, Institute of Water Problems and Hydro Power of the National Academy Sciences of the Kyrgyz Republic, Kyrgyzstan.
- P-07** **Title: A Bioinformatics Approach for analyzing Role of *Physcomitrella patens* miRNAs in Defense against Viruses**
Deepshikha Satish, International Centre for Genetic Engineering and Biotechnology, India.
- P-08** **Title: Preparation and properties of temperature sensitive gas phase controlled-release antioxidant film**
Lixin Lu, Jiangnan University, China.
- P-09** **Title: Preparation and analysis of seabuckthorn (*Hippophae rhamnoides*) berry powder supplemented biscuits**
Naeem Ullah, Jilin University, China.

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- P-10** **Title: Ultrastructure, Molecular biological and Serological study of The Blood Cells of Systemic Lupus Erythematosus**
Eman Mohamad El Nashar, King Khalid University, Saudi Arabia.
- P-11** **Title: The caecal microbial count and productivity of broiler chicken fed compound diets supplemented with probiotics**
M.A.Hossain, Chittagong Veterinary and Animal Sciences University (CVASU), Bangladesh.
- P-12** **Title: Beneficial effects of probiotic and phytobiotic as growth promoter alternative to antibiotic for safe broiler production**
Shamshad Jahan Sherajee, Department of Livestock Services, Bangladesh.
- P-13** **Title: Fatty acid profile and quality traits in newly produced sheep tail fat oil**
Chimegee Nagaaranz, Department of Food Technology, Institute of Technology, Mongolia.
- P-14** **Title: Rejipaqam, Vulgarisation Et Conseil Agricoles : Pour Une Synergie Du Secteur Prive Et Des Agriculteurs Dans La Gestion Poste Recolte Et La Valorisation Des Produits Agricoles.**
Baba Aboubacar Diabate, Président du REJIPAQAM at membre de FOSSCAR, Mali.
- P-15** **Title: Ozone as a safety post-harvest treatment for chlorpyrifos removal from vegetables and its effects on visual and nutritional qualities**
Khaled A. Osman, Alexandria University, Egypt.
- P-16** **Title: Impact of different thermal processing on the bioactive compound and sensory characteristics of broccoli and cauliflower**
Nesren EL-Sayed Mohamed, Cairo University, Egypt.
- P-17** **Title: Strategic Environmental Assessment (SEA) Process for Sustainable Organ and Tissue Transplantation Science, Engineering and Technological Systems towards Inclusive Sustainable Development**
Vijayan Gurumurthy Iyer, Co-ordinator of Engineering Council of India, India.