

4th KICLS-2025

Conference Program Nutrition and Food Science Track

Day 1

10:00 to 10:45	Keynote presentation	Nabil G. Seidah, Montreal, Canada
10:45 to 11:15	Coffee Break	
Session Chair	Dalal Al-Kazemi	
Time	Title	Presenting Author
11:15 to 11:45	Multiomics Analysis Uncovers Synergistic Mechanisms of Insulin Sensitivity Enhancement in Tirzepatide-Pioglitazone Combination Therapy for Diet-Induced Obesity and Diabetes (Invited talk).	Muhammed Abufarha (DDI, Kuwait).
11:45 to 12:00	The Associations of Genetic Variations in Taste Receptor Genes (TAS1R2 and TAS2R38) with Sugar-Sweetened Beverage Intake and Obesity Risk in Kuwaiti Adolescents: A Candidate Gene Approach.	Razan Yousef (Kuwait University, Kuwait).
12:00 to 12:15	Retinol Supplementation Prevents Weight Gain and Improves Glucose Homeostasis in Mice Fed a High-Fat Diet.	Abrar Alshehabi (Kuwait University).
12:30-1:30	Lunch Break	
Session Chair	Ahmed Aldughpassi	
1:30 to 1:45	Garlic Extract Attenuates Symptoms of Diabetes Through B-Cell Neogenesis Leading to the Activation of Insulin Signaling and Secretion Pathways.	Amani Al-Adsani (Kuwait University, Kuwait).
1:45 to 2:00	Nutrition Impact Symptoms as Key Indicators of Malnutrition in Kuwaiti Colorectal Cancer Patients: A Cross-Sectional Study Using the PG-SGA and PG-SGA SF.	Raghad Obaid (Kuwait Cancer Control Center, Kuwait).
2:00 to 2:15	A behavioral Analysis of Fruit and Vegetable Intake in Saudi Adults: Examining the Theory of Planned Behavior and Habit Strength.	Buthaina Aljehany (King Abdulaziz University, Saudi Arabia).
2:15 to 2:30	Evaluating the Quality of Arabic YouTube Videos on Breastfeeding Using the DISCERN Tool.	Nada Benajiba (Regional Designated Center of Nutrition, Rabat).
2:30 to 2:45	Grain and Legume Consumption and Risk of Gastric Cancer: Findings from a Case–Control Study.	Rana Youssef (Qatar University, Qatar).

2:45 to 3:00	Coffee Break	
Session Chair	Mohammad Abdullah	
3:00 to 3:15	Circular Food Supply Chains in Kuwait: A Blockchain–AI Managerial Accounting Framework for Waste Valorisation and Cost Recovery.	Howida Omar (American International University, Kuwait).
3:15 to 3:30	Molecular Dynamics Simulations of Homogalacturonan: Insights into Structural Behavior for Food Applications.	Amir Irani (American International University, Kuwait).
3:30 to 3:45	Valorization of Red and White Dragon Fruit Peel Powder for Development of Functional Dairy Product.	Phyo Aung (Punjab Agricultural University, India).
3:45 to 4:00	Development and Characterization of Dragon Fruit Chips as a Nutritious Snack Alternative.	Jiwan Sidhu (University of Veterinary and Animal Sciences, India).
4:00 to 4:30		

Day 2

Session Chair	Fatimah Alhassawi	
Time	Title	Presenting Author
9:00 to 9:30	Enzymatic Bioactive Peptides from Sonicated Whey Proteins of Camel Milk: Impacts of Nanopeptides on Structural Properties, Antioxidant Activity and Inhibitory Activity of Alpha-Amylase and ACE (Invited Talk).	Sana Gammoh (Jordan University of Science and Technology, Jordan).
9:30 to 9:45	Hepatoprotective Perspective of Newly Synthesized 3-(3, 5-Bis (Tri Fluoro Methyl) Phenyl)-5-Methyl-1-((1-Methyl-1h-Pyrrol-2-Yl) Methyl)-2-Thioxoimidazolidin-4-One Against Diethyl Nitrosamine Induced Liver Injury in Rats With Molecular Docking.	Lana Sabrie (Knowledge University, Iraq).
9:45 to 10:00	<i>Pistacia lentiscus</i> L. Seeds Aqueous Extract from Morocco: Phytochemical Composition, Safety, and Antidiabetic Potential Using on <i>Vitro</i> , <i>In Vivo</i> , and <i>In Silico</i> Approaches.	Mohamed Bouhrim (Sultan Moulay Slimane University, Morocco).
10:00 to 10:45	Nutrition in the GCC and Food Security: Understanding the Impact of Changing Food Patterns (Invited Talk).	Reema Tayyem (Qatar University, Qatar).
10:45 to 11:15	Coffee Break	
Session Chair	Maha Alshehab	
11:15 to 11:30	Imputation of Feed Efficiency in Individual Chicken Housed in Groups.	Mohammed Boareki (KISR, Kuwait).
11:30 to 11:45	Comparison of Different Probiotics Applications Methods in Poultry Farms in Kuwait.	Tahani Al-Surrayai (KISR, Kuwait).
11:45 to 12:00	A rapid, Simple, and Reliable Assay to Authenticate Peruvian Kiwicha (<i>A. Caudatus</i>) for Food Applications.	Adnan Kanbar (Kuwait University, Kuwait).
12:00 to 12:15	One- and Two-Electron Enzymatic Oxidation Mechanism of (-)-Epicatechin Using Glutathione Trapping Method.	Hanem Awad (National Research Centre, Egypt).
12:30 to 1:30	Lunch Break	
Session Chair	Saleh Ali	
1:30 to 1:45	<i>Peruvian Amaranth</i> (Kiwicha) Accumulates Higher Levels of the Unsaturated Linoleic Acid.	Adnan Kanbar (Kuwait University, Kuwait).
1:45 to 2:00	Steam Blanching Effects on Physicochemical Properties,	Amrit Dhindsa (Punjab Agricultural University, India).

	Phytochemical Content, and Color Retention of Red Okra (var. Punjab Lalima) Crisps.	
2:00 to 2:45	Lead and Cognition: The Knowns and the Unknown (Invited Talk) .	Abdur Rahman Ahmad (Kuwait University, Kuwait).
2:45 to 3:00	Coffee Break	
3:00 to 4:00	Panel Discussion	
4:00 to 4:30	Conference Closing	

Posters Presentations: FSN Track

Day 1:

Title	Author
Exploring the Nutritional Potential of Kuwaiti Seagrasses: Fatty Acid and Mineral Profiles as Food and Feed Resources.	Dr. Hanan Al-Adilah (KISR, Kuwait). Hanan S. Al-Adeelah (KISR, Kuwait).
Nutritional Prevention of Hyperlipidemia and Hepatic Oxidative Stress by Globularia alypum: Relevance to Metabolism-Related Chronic Diseases	Bouhaous Latifa (University of Oran).
Evaluating the Protein Enrichment Potentials of Sweet Potato Peels Subjected to Solid State Fermentation with Lactobacillus Acidophilus Isolated from Yoghurt	Zainab Olaide (Ibrahim Badamasi Babangida University).
Ginger Extract Downregulates the Expression of HSP22 in the Retina of Diabetic Retinopathy Rats	Hebah Dannoun (Kuwait University).
An Evaluation of the Quality and Impact of a School Duathlon Event: Insights from Parental Perceptions	Ghanima Alfaleh (Kuwait University).
An Association Study of Type 2 Diabetes Mellitus Genetic Risk Factors in the Kuwaiti Population	Manar Shbib (Kuwait University).
Characterization of Microtubule Dysfunction Associated with Alzheimer's-like Pathology in Mouse Models of Impaired Glucose Metabolism	Sanabel ELdesouqi (Kuwait University).
Promoting Sustainable Nutrition and Health Policies Through Dietary Pulses: Insights from Adult Consumers in Kuwait	Mohammad Abdullah (Kuwait University).

Day 2

Title	Author
The Prevalence and Burden of Avoidant/Restrictive Food Intake Disorder (ARFID) in a Clinical Sample in Kuwait	Joory Alharbi (Kuwait University).
A Moderate Amount of Quinoa Consumption Improves Cardiovascular Risk Factors in Kuwaiti Adults with Overweight and Obesity	Tasleem Zafar (Kuwait University).
Assessment of Nutritional Status of Patients With Inflammatory Bowel Disease	Marram Elsayed (Kuwait University).
Food Quality Assurance in Nutrition Science: Detecting Honey Adulteration Using UV-Vis Spectroscopy and Chemometric Methods.	Aya Hassan (Kuwait University). Mohamed Amin (University at Albany). Entesar Alhetlani (Kuwait University).
Cold tolerance of Woodland Strawberry (<i>Fragaria vesca</i>) is Linked to Cold Box Factor 4 and the Dehydrin Xero2	Adnan Kanbar (Kuwait University).
AI-Driven Personalized Nutrition in the Gulf: A Systematic Review and Conceptual Framework for Culturally-Aware Digital Nutrition Interventions	Ali Alfayly (PAAET, Kuwait).
Genetically Modified Foods in Kuwait: Public Perception, Awareness, and Attitudes	Taiba Albarjas (Kuwait University).
Impact of Milk-Derived Metal Ions on Structural and Functional Stability of B-Galactosidase Bound to Native And Polyaniline–Chitosan–Silver Nanocomposites: A Multi-Spectroscopic Study	Maryam Khan (American International University). Qayyum Husain (Aligarh Muslim University).
Dissecting the Molecular Mechanism Underlining The Interactions with the Autoimmune Regulator Protein.	Bader Alabdelaly (American International University).
Health Risk Assessment of Heavy Metals in Coffee: Quantifying Exposure for Coffee Consumers In Qatar.	Mariam Al-Ali (Qatar University).
Compartmentalization of Rosmarinic Acid Improves Tolerance in White Desiree Potato Exposed to Oxidative Stress.	Naeamah Al-Mansour (Kuwait University).
Impact of Hydrolyzed Wheat Protein Fractions on Antioxidant, Alpha-Amylase, and Angiotensin-Converting Enzyme Inhibition.	Haya Alzoubi (Jordan University of Science and Technology).