

# ASIA PACIFIC FOOD ANALYSIS NETWORK (APFAN)

## International Workshop on Advancing Food Analysis, Safety and Testing Standards for Global Comparability

15 – 17<sup>th</sup> July 2024, Putrajaya, Malaysia

TIME	DAY 1	
8:00 - 9:00	<i>Registration</i>	
	<b>Welcome and Opening</b>	
9:00 - 9:10	<b>Welcome Speech</b>	<b>Associate Professor Dr. Hasnah Haron</b> APFAN 2024 Committee Chair & National Coordinator
9:10 - 9:20	<b>Opening Remark</b>	<b>Professor Dr. Suzana Shahar</b> Dean of Faculty of Health Science, Universiti Kebangsaan Malaysia (Kuala Lumpur)
9:20 - 9:30	<b>Officiate</b>	<b>YBrs. Puan Marhayani Md. Saad</b> Director General, Department of Chemistry Malaysia
9:30 - 9:45	<b>Workshop Introduction</b>	<b>Mr. Stewart Jones</b> APFAN Coordinator
9:45 – 10:00	<i>Group Photo</i>	
	<b>Session 1: Plenary Session</b>	
10:00 - 10:30	<b>Plenary Speaker 1: Ts. Zailina Abdul Majid</b> Director of Policy, Strategic Planning and Codex Standard Division, Food Safety and Quality Programme, Ministry of Health Malaysia	
	Moderator: Associate Professor Dr. Hasnah Haron, Universiti Kebangsaan Malaysia	
	<b>Topic: <i>Waving New Pathway in Food Analysis in Malaysia: Integrated Approach</i></b>	
10:30 - 10:45	<i>Morning Break / Poster Viewing and Booth Visit</i>	
10:45 - 11:15	<b>Plenary Speaker 2: Mr. Roslan Alias</b> Senior Principal Assistant Director of Accreditation Division, Department of Standards Malaysia	
	Moderator: Dr. Siti Nur Nazathul Shima Hashim, Department of Chemistry Malaysia	
	<b>Topic: <i>ISO/IEC 17043:2023 - What's New</i></b>	

11:15 - 11:45	<b>Plenary Speaker 3: Professor Dr. Philip Marriott</b> Monash University, Clayton Campus, Australia	
	Moderator: Ms. Li Hui Ling, Malaysia Institute of Chemistry	
	<b>Topic: Multidimensional Separation for Improved Analysis of Volatile Compounds in Your Food Samples</b>	
11:45 - 12:15	<b>Plenary Speaker 4: Professor Dr. Nyam Kar Lin</b> UCSI University, Malaysia	
	Moderator: Professor Dr. Amin Ismail, Universiti Putra Malaysia	
	<b>Topic: Recent Advances in Encapsulation Technologies: A Tool for Functional Foods Development</b>	
	<b>ORAL PRESENTATION SESSIONS</b>	<b>SPEAKERS</b>
	<b>Session 2: Association of Official Analytical Collaboration (AOAC International)</b>	
	Moderator: Professor Ts. Dr. Hjh Wan Aida Wan Mustapha, Universiti Kebangsaan Malaysia	
12:20 - 12:40	Laboratory Capacity Building in the Asia Pacific	<b>Mr. Stewart Jones</b> APFAN Coordinator
12:40 - 13:00	Food Residue Testing in Australia	<b>Ms. Hao Nguyen</b> National Measurement Institute Australia
13:00 - 13:10	<i>Question and Answer Session 2</i>	
13:10 - 14:30	<i>Lunch</i>	
14:30 - 14:40	<i>Company Introduction with Diamond Sponsorship</i>	<b>MYCO<sub>2</sub> Laboratory, Malaysia</b>
14:40 - 14:50	<i>Company Introduction with Gold Sponsorship</i>	<b>Gerhardt Malaysia Sdn. Bhd., Malaysia</b>
	<b>Session 3: Method Validation and Measurement Uncertainty</b>	
	Moderator: Mr. Stewart Jones, APFAN Coordinator	
14:50 - 15:10	Comparison of Urinary Iodine Analysis between Spectrophotometric Detection and Inductively Coupled Plasma Mass Spectrometry	<b>Mr. Premmin Srisakda</b> Institute of Nutrition, Mahidol University, Thailand
15:10 - 15:30	Comparison of Iodine Determination in Foods by ICP-MS and Isotope Dilution MS.	<b>Ms. Juntima Photi</b> Institute of Nutrition, Mahidol University, Thailand
15:30 - 15:50	Optimization of APHA Method for the Determination of Ammoniacal Nitrogen in Water by Discrete Analyzer.	<b>Ms. Nor Azira A. Bakar</b> Department of Chemistry, Malaysia.
15:50 - 16:00	<i>Question and Answer Session 3</i>	
16:00	<i>Afternoon Break</i>	
	<b>End of Day 1 session</b>	

TIME	DAY 2	
	<b>ORAL PRESENTATION SESSIONS</b>	<b>SPEAKERS</b>
	<b>Food Analysis and Microbiology</b>	
8:00 - 9:00	Poster Viewing and Booth Visit	
	<b>Session 4: Food Analysis</b>	
	Moderator: Dr. Nor Hayati Ibrahim, Universiti Malaysia Terengganu	
9:00 - 9:20	Nitrite Content of Locally-produced Branded Processed Meat in the Philippines	<b>Ms. Ma. Rachel Parcon</b> Industrial Technology Development Institute Republic of Philippines
9:20 - 9:40	Identification of Foreign Matter (Biological Contaminant) in Food: A Review in Department of Chemistry Malaysia	<b>Ms. Siti Mariam Zhafarina Rusli</b> Department of Chemistry Malaysia
9:40 - 10:00	Street Foods in Malaysia: What are the Individual and Total Sugar Contents?	<b>Associate Professor Dr. Hasnah Haron</b> Universiti Kebangsaan Malaysia
10:00 - 10:20	<i>Morning Break</i>	
10:20 - 10:40	Benzoic Acid and Carcinogenic Benzene Levels in Functional Drinks Collected in Thailand	<b>Dr. Weeraya Karnpanit</b> Curtin University, Australia
10:40 - 11:00	Nutrient-related Non-communicable Diseases (Fat, Sugar, Sodium) of School-age Children's Popular Foods in Thailand	<b>Mr. Piyanut Sri Donpai</b> Institute of Nutrition, Mahidol University, Thailand
11:00 - 11:20	<i>Question and Answer Session 4</i>	
	<b>Session 5: Advanced Food Analysis</b>	
	Moderator: Dr. Louis Ooi Shu Geok, Malaysian Association of Accredited Laboratories (PMAM)	
11:20 - 11:40	In-syringe Dispersive Micro Solid Phase Extraction Method for the HPLC-fluorescence Determination of Aflatoxins in Rice	<b>Dr. Nor Shifa Shuib</b> Universiti Sains Malaysia
11:40 - 12:00	Analysis of Trace Elements in Spices and herbs using ICP-MS after Microwave Digestion	<b>Associate Professor Dr. Ujang Tinggi</b> Queensland Health Forensic and Scientific Services, Australia
12:00 - 12:20	Multi-pesticide Residue Analysis for Fresh Product by High-resolution Mass Spectrometry	<b>Mr. Bruce Chen</b> Symbio Laboratories, Australia
12:20 - 12:40	Investigation of Honey Adulteration using Nuclear Measurement Techniques	<b>Associate Professor Dr. Kunchit Judprasong</b> Institute of Nutrition, Mahidol University (INMU), Thailand
12:40 - 13:00	Unveiling Honey Authenticity: Analysis of C-4 Plant Sugar Adulteration using EA-IRMS	<b>Mr. Azharuddin Abd Aziz</b> Department of Chemistry Malaysia
13:00 - 13:20	<i>Question and Answer Session 5</i>	
13:20 - 14:30	<i>Lunch</i>	
14:30 - 14:40	<i>Company Introduction with Gold Sponsorship</i>	<b>Agilent Technologies Singapore (Sales) Pte Ltd, Singapore</b>

	<b>Session 6: Food Microbiology</b>	
	Moderator: Dr. Azizah Othman, Universiti Teknologi Mara	
14:40 - 15:00	Rapid Detection of <i>Escheria coli</i> O157:H7 in Food by Real-Time PCR Assay	<b>Ms. Nurulermila Minor</b> Department of Chemistry Malaysia
15:00 - 15:20	Sequenced-based Identification of Bacteria using MicroSEQTM 500 16S rDNA System	<b>Dr. Uma Priya A/P Kupusamy</b> Department of Chemistry Malaysia
15:20 - 15:40	<i>Question and Answer Session 6</i>	
15:40 - 15:50	<i>Company Introduction with Gold Sponsorship</i>	<b>Sartorius Malaysia Sdn. Bhd., Malaysia</b>
15:50 - 16:00	<i>Company Introduction with Gold Sponsorship</i>	<b>Bruker Singapore Pte. Ltd., Singapore</b>
16:00	<i>Afternoon Break</i>	
17:00 - 19:00	<b>APFAN Annual General Meeting</b>	
	<b>End of Day 2 session</b>	

<b>TIME</b>	<b>DAY 3</b>	
	<b>ORAL PRESENTATION SESSIONS</b>	<b>SPEAKERS</b>
	<b>Proficiency Testing and Reference Material</b>	
8:00 - 9:00	<i>Poster Viewing and Booth Visit</i>	
	<b>Session 7: Proficiency Testing and Reference Material</b>	
	Moderator: Dr. Siti Nur Nazathul Shima Hashim, Department of Chemistry Malaysia	
9:00 - 9:20	Food Proficiency Testing in Korea	<b>Mr. Yeonkyo Sung</b> Senior Researcher, Korea Testing & Research Institute, South Korea
9:20 - 9:40	Proficiency Testing Performances for the Determination of Total Arsenic in Anchovies	<b>Ms. Nur Atiqah Hamidun</b> PT Senior Manager, Department of Chemistry Malaysia
9:40 - 10:00	HSA's Role in Food Safety and Security – Ensuring Global Comparability through Certified Reference Materials.	<b>Dr. Ng Sin Yee</b> Head of Inorganic Group, Health Sciences Authority, Singapore (TBC)
10:00 - 10:20	Characterization of Arsenic and Cadmium in Brown Rice Flour as a Candidate Material for Reference Material.	<b>Dr. Norliza Baharum</b> Senior Metrologist, National Metrology Institute of Malaysia
10:20 - 10:40	<i>Question and Answer Session 7</i>	
10:40 - 11:00	<i>Morning Break</i>	

	<b>Session 8: Engagement Session for PT4 - ITDI, DOST</b>	
	Moderator: Ms. Haznita Rose Bahari, Science Officer, Department of Chemistry Malaysia	
11:00 - 12:30	Evaluation of Participants Performance based on DOST-FNRI organized APFAN PT4 1. FNRI PT 23-01 (Processed Meat) on Selected Proximate and Mineral Composition, saturated fatty acids and cholesterol. 2. FNRI PT 23-02 (Wheat Flour) on Selected Proximate and Mineral Composition, and Total Dietary Fiber. 3. FNRI PT 23-03 (Biscuit) on Selected Proximate and Mineral Composition, Total Dietary Fiber, Saturated and Trans Fatty Acids.	<b>Ms. Leah C. Dajay</b> Supervising Science Research Specialist DOST-Food and Nutrition Research Institute, Philippine
12:30 - 13:00	PT5 Instruction to Participants and Distribution of PT5 Materials	<b>Ms. Maryani Balemin</b> Head of Proficiency Testing Section, Department of Chemistry Malaysia
13:00 - 13:10	<i>Company Introduction with Gold Sponsorship</i>	<b>BMS Diagnostics (M) Sdn Bhd., Malaysia</b>
13:10 - 14:20	<i>Lunch</i>	
14:20 - 14:30	<i>Company Introduction with Gold Sponsorship</i>	<b>Waters Analytical Instruments Sdn. Bhd.,  Malaysia</b>
	<b>Workshop</b>	
14:30 - 16:00	Statistical Methods for Use in Proficiency Testing by Interlaboratory Comparison.	<b>Associate Professor Dr. Kunchit Judprasong</b> Institute of Nutrition, Mahidol University (INMU), Thailand
16:00 - 16:20	<i>Question and Answer</i>	
16:20 - 17:00	<b>Closing Ceremonies</b>	<b>Announcement of APFAN Howard Bradbury  Award 2024 and Poster Prize Presentation</b>  <b>Mr. Stewart Jones</b> APFAN Coordinator
17:00	<i>Afternoon Break</i>	
	<b>End of Day 3 session</b>	