

Pre-congress | **3 August 2026**

CEC 1: BOTANICAL SAFETY ASSESSMENT: FROM FARM TO FORMULA - HOW TO ENSURE SAFETY, EFFICACY, AND COMPLIANCE?	
08.00 – 10.15	Context Setting <i>Dr. Lenny Kamelia, L en R Consulting Visions PLT</i>
	Chemical Fingerprinting of Botanicals: Characterizing and Quantifying Active and Marker Constituents in Complex Natural Products <i>Dr. Fauziah Abdullah, FRIM, Malaysia</i>
	Toxicity vs Efficacy: Finding the Critical Balance between Risk and Benefit for Botanicals <i>Dr. Hussin Muhammad, NIH, Malaysia</i>
	Role of National Research and Standards Organization in Botanical Safety Assessment <i>Dr. Syamimi Khalid, SIRIM, Malaysia</i>
10.15 – 10.45	TEA BREAK
10.45 – 13.00	Natural Product Registration in Malaysia <i>Mdm. Kong Su Yi, NPRA, Malaysia</i>
	Navigating Product Quality Monitoring: A Regulatory Perspective <i>Mr. Mohd Nasrul Mohamad Noor, NPRA, Malaysia</i>
	Strategy for Safety Evaluation <i>Dr. Rozaini Abdullah, UPM, Malaysia</i>
	Closing Remarks <i>Dr. Lenny Kamelia, L en R Consulting Visions PLT</i>
13.00 – 14.00	LUNCH BREAK
CEC 2: MODERN RISK ASSESSMENT IN THE ERA OF NEXT-GENERATION TOXICOLOGY: FROM HAZARD IDENTIFICATION TO REGULATORY DECISION-MAKING	
14.00 – 15.30	Opening Remarks <i>Assoc. Prof. Ts. Dr. Razinah Sharif, UKM, Malaysia</i>
	Risk Assessment of Chemicals in Food: Evolving Scientific Approaches for Protecting Public Health <i>Professor Dr. Alan Boobis, Imperial College London, UK</i>
15.30 – 15.45	TEA BREAK
15.45 – 18.00	Applying Adverse Outcome Pathways in Food Chemical Risk Assessment: From Molecular Initiating Events to Public Health Protection <i>Professor Dr. Bette Meek, University of Ottawa, Canada</i>
	Case Study: Integrating AOP and Key Events in Understanding Risk Assessment <i>Assoc. Prof. Ts. Dr. Razinah Sharif, UKM, Malaysia</i>
	Closing Remarks <i>Assoc. Prof. Ts. Dr. Razinah Sharif, UKM, Malaysia</i>

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Day 1 | 4 August 2026

09.00 – 10.00	KEYNOTE 1 Toxicology Risk Management Through Interdisciplinary Approaches to Meet ESG Requirements and Sustainability Challenges <i>Dr. Salmaan Inayat-Hussain, IPIECA, United Kingdom</i>		
Sub-theme: Regulatory Toxicology			
10.00 – 10.45	PLENARY LECTURE 1 Global Regulatory Development in Advancing Toxicology to Meet Sustainability Challenges <i>Dr. Maartje Kleintjes, Netherlands</i> <i>Chair: Dr. Chan Kok Meng, PETRONAS, Malaysia</i>		
10.45 – 11.00	TEA BREAK		
11.00 – 13.00	SESSION 1 NAMs Across Asia: Regional Progress and Cross-Border Collaboration <i>Chair: Professor Ying-Jan Wang, National Cheng Kung University, Taiwan; Professor Hajime Kojima Sanyo-Onoda City University, Sanyo-Onoda, Yamaguchi, Japan</i>	SESSION 2 Chemical Stewardship and Regulatory Science: Advancing Sustainability in Petrochemical Industry <i>Chair: Dr. Chan Kok Meng, PETRONAS, Malaysia</i>	EARLY CAREER RESEARCHER SYMPOSIUM The Future of Toxicology: Perspectives from the Next Generation <i>Chair: Dr. Keiko Taguchi, The University of Tokyo, Japan</i> <i>Dr. Nur Azra Mohamad Pauzi, NIH, Malaysia</i>
	Strengthening Taiwan's Regulatory Infrastructure for Non-Animal Methods: The Role of TaiCVAM <i>Dr. Hsian-Jean Chi, TaiCVAM, NIAR, Taiwan</i>	Malaysian Initiatives in Chemical Governance and Chemical Safety - NRES <i>Prof. ChM. Dr. Goh Choo Ta, UKM, Malaysia</i>	
	Driving Regulatory Acceptance of NAMs: JaCVAM's Journey and Future Directions <i>Dr. Hirabayashi Yoko, JaCVAM, NIHS, Japan</i>	Evaluation of new toxicological information for classification of substances for human health endpoints under REACH and CLP - UVCB <i>Ms. Maartje Kleintjes, Netherlands</i>	
	Building a Modern Toxicology Framework: Korea's Leadership in Alternative Methods <i>Dr. Seokjoo Yoo, KSAAE, UST Daejeon, Korea</i>	21st Century Risk Assessment to Assure the Acceptable Use of Products Comprising a Mixture of Chemicals <i>Professor Alan Boobis, Imperial College London, UK</i>	
	Expanding the Global Reach of In Vitro Toxicology: The Role of IIVS in Training and Outreach <i>Dr. Kristie Sullivan, Inst. In Vitro Sciences, USA</i>	Application of Read-Across for UVCBs: Methodological Considerations and a Petrochemical Case Study <i>Ms. Sanghamitra Mishra, ToxMinds, India</i>	
13.00 – 14.00	LUNCH BREAK		

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14.00 – 15.30	OPENING CEREMONY Opening address by: Yang Berhormat Datuk Seri Dr. Haji Dzulkefly Ahmad, Minister of Health Malaysia
15.30 – 16.00	TEA BREAK
16.00 – 17.00	POSTER PRESENTATIONS

Day 2 | 5 August 2026

09.00 – 10.00	KEYNOTE 2 Signal- and Nano-toxicology, the emerging areas of Molecular Toxicology bridging “Modern Toxicology” and “Poison Science” – an inseparable pair to sustain modern civilization <i>Professor Jun Kanno, NIHS, Japan</i>		
Sub-theme: Challenges & Advances in NAMs for Toxicological Research & Risk Assessment			
10.00 – 10.45	PLENARY LECTURE 2 Mouse Platform of Human Immune System in Immuno-Oncology and Toxicology <i>Professor Kyung Chul Choi, Chungbuk National University, RoK</i> <i>Chair: Professor Keon Wook Kang, Seoul National University, RoK</i>		PLENARY LECTURE 3 The Westward Movement of Botanicals: Integrating Eastern Traditions into Modern Western Regulation <i>Professor A.Wallace Hayes, Michigan State University, USA</i> <i>Chair: Dr. Hussin Muhammad, NIH, Malaysia</i>
10.45 – 11.00	TEA BREAK		
11.00 – 13.00	SESSION 3 Innovative Organoid & NAMs Application in Toxicological Research <i>Chair: Professor Soon-Mi Shim, Sejong University, RoK</i>	SESSION 4 Recent Progress of Cosmetics Risk Assessment <i>Chair: Prof. Ki Taek Nam, Yonsei University College of Medicine, RoK</i>	SESSION 5 Risk Assessment of Botanicals and Mixtures Chair: Dr. Rozaini Abdullah, UPM, Malaysia
	Human Organoids in Toxicological Research: Progresses and Challenges <i>Professor Zhenglian Gao, Shanghai Uni., China</i>	Industrial Implementation of NAMs and NGRA in Cosmetic Risk Assessment <i>Dr. Seoyoung Kim, AMOREPACIFIC, Korea</i>	Complex Botanical Mixture Hazard Assessment: An Overview of Current Methodologies and Challenges in Assessing Hazards of Botanical Mixtures <i>Professor A.Wallace Hayes, Michigan State University, USA</i>
	Kidney Micro Physiological Systems for Nephrotoxicity Assessment <i>Professor Sejoong Kim, Seoul Nat. Uni., Korea</i>	Safety Assessment of Botanical Extracts Using Non-Animal Test Methods <i>Professor Kyung-Min Lim, Ewha Womans Uni., Korea</i>	In Vitro Bioassays to Evaluate Health Effects of Botanicals: Discussion of Laboratory Techniques for Evaluating Health Impacts of Botanicals <i>Professor A. Nursen Basaran, Baskent University, Ankara, Turkiye</i>
	Current Trends and Progress in Japan's Initiative for Industrial Implementation of MPS <i>Professor Seiichi Ishida, Sojo Uni., Japan</i>	Building Capabilities and Ensuring Regulatory Acceptance of NAMs and NGRA for All Stakeholders Including Cosmetics <i>Professor Seok (Soga) Kwon, National University of Singapore</i>	Use of AI in Understanding the Hazard of a Complex Botanical Mixture: Exploration of Artificial Intelligence Application in Hazard Identification and Risk Assessment <i>Professor Peter Pressman, University of Maine, USA</i>

	Sponsor Talk / Short Oral Presentations	Sponsor Talk / Short Oral Presentations	Hormesis in Complex Botanical Mixtures: Examination of Hormesis and Its Implications for Interpreting Botanical Mixture Effects <i>Professor Evgenios Agathokleous, Nanjing University of Information Science & Technology, China</i>
13.00 – 14.00	LUNCH BREAK		
14.00 – 16.00	SESSION 6 Advancing Mechanistic Nanotox & Emerging In-Vitro Alternatives (JSOT) <i>Chair: Dr. Atsuto Onoda, Sanyo-Onoda University, Japan;</i> <i>Dr. Kazuma Higashisaka, Uni. Osaka, Japan.</i>	SESSION 7 Evolving Risk Assessment Across Industries through the Integration of New Approach Methodologies (NAMs) to Address Emerging Challenges <i>Chair: Dr. Rozaini Abdullah, UPM, Malaysia</i>	WORKSHOP 1 Alternative Methods for Skin Sensitization: Regulatory Progress and Applications <i>Chair: Dr. Hsien-Jen Cheng, NIHS, Japan; Dr. Takao Ashikaga, NIHS, Japan</i>
	Neurotoxicity of Nanoparticles and Nanoplastics <i>Dr. Tin Tin Win Shwe, NIES, Japan</i>	Advancing the Risk Assessment of Botanicals with Genotoxic and Carcinogenic Hazards <i>Dr. Rozaini Abdullah, UPM, Malaysia</i>	Status on regulatory acceptance of alternative methods for skin sensitization testing <i>Dr. Takao Ashikaga, NIHS, Japan</i>
	Placental Behavior of Nanoparticles and Their Effects on Placental Function <i>Dr. Kazuma Higashisaka, The University of Osaka, Japan</i>	Learning and Challenges in Reproductive Toxicity Testing with Case Study on Complex Materials <i>Dr. Lenny Kamelia, L en R Consulting Visions PLT, Malaysia</i>	The inter-laboratory validation study of EpiSensa for predicting skin sensitization potential <i>Dr. Hajime Kojima, Sanyo-Onoda City University, Japan</i>
	Neurotoxicity of Micro/Nanoplastics (MNPs) and Roles of Glia Cells <i>Dr. Cai ZONG, Tokyo Uni. of Science, Japan</i>	Evolving Consumer Product Risk Assessment with New Approach Methodologies <i>Dr. Shensheng Zhao, Procter & Gamble Beijing Innovation Center, China</i>	Introduction of the Validation Study of Spectro-DPRA: A Newly Modified In Chemico Skin Sensitization Test Method <i>Dr. Bae-Hwan Kim, KSAAE, Korea</i>
	Emerging In Vitro Approaches for Nanoparticle Toxicity Assessment: Towards Alternatives to Animal Testing <i>Dr. Atsuto Onoda, Sanyo-Onoda City Uni., Japan</i>	High-through-puts (HTPS) NAMs for a Wide Range of Pollutants <i>Peter Behnisch, BioDetection Systems, Netherlands</i>	OECD-validated NAMs of skin sensitization applied for nanomaterials safety assessment <i>Professor Ying-Jan Wang, Nat. Cheng Kung University, Taiwan</i>
16.00 – 16.15	TEA BREAK		
16.15 – 17.00	POSTER PRESENTATIONS		
16.30 – 18.30	ASIATOX COUNCIL MEETING (Impiana Hotel)		
19.30 – 23.00	GALA DINNER (Impiana Hotel)		

Day 3 | 6 August 2026

09.00 – 10.00	KEYNOTE 3 Mapping the In Vitro Landscape of Immunotoxicology Testing <i>Professor Emanuela Corsini, University of Milan, Italy</i>		
	Sub-theme: Advances in Mechanistic Toxicology & Food Toxicology		Sub-theme: Environmental Toxicology
10.00 – 10.45	PLENARY LECTURE 4 Membrane Transporters as a Mechanism of Cellular Toxicity <i>Dr. Naohiko Anzai, Chiba University, Japan</i> <i>Chair: Dr. Akihiko Hirose, JSOT, Japan</i>	PLENARY LECTURE 5 Double-Edged Sword: Roles of Gα12 Family in Cell Fate Determination <i>Prof. Sang Geon Kim, Seoul Nat. Uni, Korea</i> <i>Chair: Prof. Donghak Kim, KSOT Sec General, Konkuk Uni., RoK</i>	PLENARY LECTURE 6 Dysregulation of Long Non-coding RNAs-the Novel Inc in Metal Toxicity and Carcinogenesis <i>Professor Chengfeng Yang, Stony Brook University, NY, USA</i> <i>Chair: Dr. Jahangir Kamaldin, University Science Malaysia</i>
10.45 – 11.00	TEA BREAK		
11.00 – 13.00	SESSION 8 Food Toxicology and Cellular Ageing – Mechanistic Insights into Senescence, Oxidative Stress and Functional Dietary Modulators <i>Chair: Assoc. Prof. Ts. Dr. Razinah Sharif, UKM, Malaysia</i>	SESSION 9 Food Poisoning: Challenges in Outbreak Mitigation <i>Chair: Dr. Jou-Fang Deng, Taipei Veterans Hospital, Taiwan; Dr. Yoshito Kamijo, Saitama Medical University, Japan</i>	SESSION 10 Vulnerable Populations at Elevated Risk of Heavy Metal Toxicity: Challenges and Solutions in the Asian Context <i>Chair: Dr. Saranga Diyabalanage, ERRC, Uni. Sri Jayewardenepura, Sri Lanka</i>
	Dietary Toxicants, Oxidative Stress and Senotherapeutics for Healthy Ageing <i>Assoc. Prof. Ts. Dr. Razinah Sharif, UKM, Malaysia</i>	Marine Poisoning in Malaysia - The Challenges, Existing Gaps and Way Forward <i>Dr. Ruth Sabrina Safferi, Raja Permaisuri Bainun Ipoh Hospital, Malaysia</i>	Vulnerable Occupational Groups in Asia: Heavy Metal Exposure Across High-Risk Industries <i>Dr. Saranga Diyabalanage, ERRC, Sri Lanka</i>
	Approach for systematically assessing study reliability and relevance in evaluations of monosodium glutamate safety <i>Dr. William D Klaren, ToxStrategies, LLC Ashville, NC</i>	Food Contaminants and Toxicovigilance <i>Dr. Sahaphume Srisuma, Mahidol University, Bangkok, Thailand</i>	Environmentally & Socioeconomically Burdened Communities in Asia <i>Dr. Vanitha Thurairasu, Ministry of Health, Malaysia</i>
	Resveratrol Protection Against Estradiol Induced Senescence in Immune and Reproductive Models <i>Dr. Nurhanani Razali, Kobe Pharmaceutical University, Japan</i>	Food Poisoning Caused by Accidental Consumption of Toxic Plants Similar to Edible Plants in Japan <i>Yoshito Kamijo, Dept. Clinical Tox, Fac Med, Saitama Medical University, Japan</i>	Biological Susceptibility to Heavy Metal Toxicity. Are populations in Asia at greater risk? <i>Dr. Indika Neluwa-Liyanaage, Uni. Sri Jayewardenepura, Sri Lanka</i>

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	Applying Adverse Outcome Pathways to Food-Related Chemical Risk Assessment and Chronic Disease Outcomes <i>Professor Dr. Bette Meek, University of Ottawa, Canada</i>	Food Poisoning Caused by Eating Coconut Crab Feeding on Toxic Plant in Japan <i>Kiyotaka Usui, Dept. Clinical Tox, Fac Med, Saitama Medical University, Japan</i> Bongkrekcic acid poisoning outbreak in Taiwan <i>Jou-Fang Deng, The National Poison Center of Taiwan</i>	Environmental and Human Exposure to Heavy Metal and PFAS in Malaysia: Emerging Risks and Regulatory Perspectives <i>Dr. Yusmaidie Aziz, USM, Malaysia</i>
13.00 – 14.00	LUNCH BREAK		
14.00 – 16.00	WORKSHOP 2 Beyond Nutrition: Understanding the Health Impacts of Reactive Food Chemicals <i>Chair: Hiroshi Hasegawa, Kobe Pharmaceutical University, Japan</i>	WORKSHOP 3 A Toxicological Perspective on MASLD: Environmental Causes, Impacts and Therapeutic Strategies <i>Chair: Assoc. Prof. Dr. Han Kiat HO, NUS, Singapore</i>	WORKSHOP 4 Reproductive Toxicology in an Era of Environmental Change: Emerging Contaminants and Transgenerational Risks <i>Chair: Dr Vanitha Thurairasu, Ministry of Health, Malaysia</i>
	Effect of Electrophiles in Vegetables on the Toxicity of the Environmental Chemicals <i>Dr. Yumi Abiko, Nagasaki University, JAPAN</i>	Impacts on Polystyrene Nanoplastics Exposure on MASLD Pathophysiology <i>Dr. Jeffery Koh, NUS</i>	From Ovary to Placenta: Molecular Mechanisms of Environmental Reproductive Toxicants <i>Dr. Vanitha Thurairasu, Ministry of Health, Malaysia</i>
	Production of Antibodies Against 3,4-Dihydrocoumarin and Analysis of Protein Chemical Modifications Induced by This Compound <i>Dr. Yasuhiro Shinkai, Tokyo University of Pharmacy and Life Sciences, Japan</i>	Investigating the Biological Impact of Nanoplastics Exposure on the Liver using a Rodent Model <i>Assoc. Prof. Dr. Ho Han Kiat, NUS</i>	Emerging Contaminants in Reproduction: Microplastics, PFAS and Other Novel Endocrine Disruptors <i>Dr. Thao Thi Phuong Nguyen, Vietnam</i>
	Molecular Effect of Immunotoxicity by Alcohol Intake <i>Dr. Hiroshi Hasegawa, Kobe Pharmaceutical University, Japan</i>	The use of AI for Toxicological Assessment <i>Assoc. Prof. Dr. David Leong, NUS</i>	Paternal Exposures, Sperm Quality and Transgenerational Reproductive Toxicity <i>Dr. Indika Neluwa-Liyanage, Sri Lanka</i>
	Sponsor Talk / Short Oral Presentations	Sponsor Talk / Short Oral Presentations	Sponsor Talk / Short Oral Presentations
16.00 – 16.15	TEA BREAK		
16.15 – 17.00	PRESIDENTIAL ROUNDTABLE & AWARD CEREMONY		