

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	<b>Context Setting</b> <i>Dr. Lenny Kamelia, L en R Consulting Visions PLT</i>
	<b>Chemical Fingerprinting of Botanicals: Characterizing and Quantifying Active and Marker Constituents in Complex Natural Products</b> <i>Dr. Fauziah Abdullah, FRIM, Malaysia</i>
	<b>Toxicity vs Efficacy: Finding the Critical Balance between Risk and Benefit for Botanicals</b> <i>Dr. Hussin Muhammad, NIH, Malaysia</i>
	<b>Role of National Research and Standards Organization in Botanical Safety Assessment</b> <i>Dr. Syamimi Khalid, SIRIM, Malaysia</i>
10.15 – 10.45	TEA BREAK
10.45 – 13.00	<b>Natural Product Registration in Malaysia</b> <i>Mdm. Kong Su Yi, NPRA, Malaysia</i>
	<b>Navigating Product Quality Monitoring: A Regulatory Perspective</b> <i>Mr. Mohd Nasrul Mohamad Noor, NPRA, Malaysia</i>
	<b>Strategy for Safety Evaluation</b> <i>Dr. Rozaini Abdullah, UPM, Malaysia</i>
	<b>Closing Remarks</b> <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	<b>Opening Remarks</b> <i>Assoc. Prof. Ts. Dr. Razinah Sharif, UKM, Malaysia</i>
	<b>Risk Assessment of Chemicals in Food: Evolving Scientific Approaches for Protecting Public Health</b> <i>Professor Dr. Alan Boobis, Imperial College London, UK</i>
15.30 – 15.45	TEA BREAK
15.45 – 18.00	<b>Applying Adverse Outcome Pathways in Food Chemical Risk Assessment: From Molecular Initiating Events to Public Health Protection</b> <i>Professor Dr. Bette Meek, University of Ottawa, Canada</i>
	<b>Case Study: Integrating AOP and Key Events in Understanding Risk Assessment</b> <i>Assoc. Prof. Ts. Dr. Razinah Sharif, UKM, Malaysia</i>
	<b>Closing Remarks</b> <i>Assoc. Prof. Ts. Dr. Razinah Sharif, UKM, Malaysia</i>

Day 1 | 4 August 2026

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

14.00 – 15.30	<b>OPENING CEREMONY</b>		
	Opening address by: Yang Berhormat Datuk Seri Dr. Haji Dzulkefly Ahmad, Minister of Health Malaysia		
15.30 – 16.00		<b>SHORT ORAL PRESENTATIONS</b>	<b>SHORT ORAL PRESENTATIONS</b>
	<b>POSTER PRESENTATIONS</b>		
16.00 – 16.15	<b>TEA BREAK</b>		
16.15 – 17.00		<b>SHORT ORAL PRESENTATIONS</b>	<b>SHORT ORAL PRESENTATIONS</b>
	<b>POSTER PRESENTATIONS</b>		

Day 2 | 5 August 2026

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

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

Day 3 | 6 August 2026

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

	<b>Applying Adverse Outcome Pathways to Food-Related Chemical Risk Assessment and Chronic Disease Outcomes</b> <i>Professor Dr. Bette Meek, University of Ottawa, Canada</i>	<b>Food Poisoning Caused by Eating Coconut Crab Feeding on Toxic Plant in Japan</b> <i>Assoc. Prof. Kiyotaka Usui, Tohoku Uni. Graduate School of Medicine, Japan</i>	<b>Environmental and Human Exposure to Heavy Metal and PFAS in Malaysia: Emerging Risks and Regulatory Perspectives</b> <i>Dr. Yusmaidie Aziz, USM, Malaysia</i>
		<b>Bongkrelic Acid Poisoning Outbreak in Taiwan</b> <i>Professor Jou-Fang Deng, Taipei Veterans General Hospital, Taiwan</i>	
13.00 – 14.00	<b>LUNCH BREAK</b>		
14.00 – 15.30	<b>WORKSHOP 2</b> <b>Beyond Nutrition: Understanding the Health Impacts of Reactive Food Chemicals</b> <i>Chair: Professor Hiroshi Hasegawa, Kobe Pharmaceutical University, Japan</i>	<b>WORKSHOP 3</b> <b>A Toxicological Perspective on MASLD: Environmental Causes, Impacts and Therapeutic Strategies</b> <i>Chair: Assoc. Prof. Dr. Han Kiat Ho, NUS, Singapore</i>	<b>WORKSHOP 4</b> <b>Reproductive Toxicology in an Era of Environmental Change: Emerging Contaminants and Transgenerational Risks</b> <i>Chair: Dr. Vanitha Thurairasu, Ministry of Health, Malaysia</i>
	<b>Effect of Electrophiles in Vegetables on the Toxicity of the Environmental Chemicals</b> <i>Dr. Yumi Abiko, Nagasaki University, JAPAN</i>	<b>Impacts on Polystyrene Nanoplastics Exposure on MASLD Pathophysiology</b> <i>Mr. Jeffery Koh, NUS, Singapore</i>	<b>From Ovary to Placenta: Molecular Mechanisms of Environmental Reproductive Toxicants</b> <i>Dr. Vanitha Thurairasu, Ministry of Health, Malaysia</i>
	<b>Production of Antibodies Against 3,4-Dihydrocoumarin and Analysis of Protein Chemical Modifications Induced by This Compound</b> <i>Dr. Yasuhiro Shinkai, Tokyo University of Pharmacy and Life Sciences, Japan</i>	<b>Investigating the Biological Impact of Nanoplastics Exposure on the Liver using a Rodent Model</b> <i>Assoc. Prof. Dr. Han Kiat Ho, NUS, Singapore</i>	<b>Emerging Contaminants in Reproduction: Microplastics, PFAS and Other Novel Endocrine Disruptors</b> <i>Dr. Thao Thi Phuong Nguyen, VinUniversity, Vietnam</i>
	<b>Molecular Effect of Immunotoxicity by Alcohol Intake</b> <i>Professor Hiroshi Hasegawa, Kobe Pharmaceutical University, Japan</i>	<b>The use of AI for Toxicological Assessment</b> <i>Assoc. Prof. Dr. David Leong, NUS, Singapore</i>	<b>Paternal Exposures, Sperm Quality and Transgenerational Reproductive Toxicity</b> <i>Dr. Indika Neluwa-Liyanage, Uni. Sri Jayewardenepura, Sri Lanka</i>
15.30 – 16.45	<b>TEA BREAK</b>		
16.15 – 17.00	<b>PRESIDENTIAL ROUNDTABLE &amp; AWARD CEREMONY</b>		