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

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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** *Dr. Salmaan Inayat-Hussain, IPIECA, United Kingdom*		
	Sub-theme: Regulatory Toxicology		
10.00 – 10.45	**PLENARY LECTURE 1** **Global Regulatory Development in Advancing Toxicology to Meet Sustainability Challenges** *Dr. Maartje Kleintjes, Haskoning, Thailand* *Chair: Dr. Chan Kok Meng, PETRONAS, Malaysia*		
10.45 – 11.00	**TEA BREAK**		
11.00 – 13.00	**SESSION 1** **NAMs Across Asia: Regional Progress and Cross-Border Collaboration** *Chair: Professor Ying-Jan Wang, National Cheng Kung University, Taiwan; Professor Hajime Kojima Sanyo-Onoda City University, Japan*	**SESSION 2** **Chemical Stewardship and Regulatory Science: Advancing Sustainability in Petrochemical Industry** *Chair: Dr. Chan Kok Meng, PETRONAS, Malaysia*	**EARLY CAREER RESEARCHER SYMPOSIUM** **The Future of Toxicology: Perspectives from the Next Generation** *Chair: Dr. Keiko Taguchi, Tohoku University, Japan; Dr. Nur Azra Mohamad Pauzi, NIH, Malaysia*
	Strengthening Taiwan's Regulatory Infrastructure for Non-Animal Methods: The Role of TaiCVAM *Dr. Hsian-Jean Chin, TaiCVAM, NIAR, Taiwan*	**Malaysian Initiatives in Chemical Governance and Chemical Safety - NRES** *Prof. ChM. Dr. Goh Choo Ta, UKM, Malaysia*	
	Driving Regulatory Acceptance of NAMs: JaCVAM's Journey and Future Directions *Dr. Hirabayashi Yoko, JaCVAM, NIHS, Japan*	**Evaluation of new toxicological information for classification of substances for human health endpoints under REACH and CLP - UVCB** *Ms. Maartje Kleintjes, Haskoning, Thailand*	
	Building a Modern Toxicology Framework: Korea's Leadership in Alternative Methods *Dr. Seokjoo Yoo, KSAAE, UST Daejeon, Korea*	**21st Century Risk Assessment to Assure the Acceptable Use of Products Comprising a Mixture of Chemicals** *Professor Alan Boobis, Imperial College London, UK*	
	Expanding the Global Reach of In Vitro Toxicology: The Role of IIVS in Training and Outreach *Dr. Kristie Sullivan, Inst. In Vitro Sciences, USA*	**Application of Read-Across for UVCBs: Methodological Considerations and a Petrochemical Case Study** *Ms. Sanghamitra Mishra, NexGenTox, India*	
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** *Professor Jun Kanno, NIHS, Japan*		
	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** *Professor Kyung Chul Choi, Chungbuk National University, RoK* *Chair: Professor Keon Wook Kang, Seoul National University, RoK*		**PLENARY LECTURE 3** **The Westward Movement of Botanicals: Integrating Eastern Traditions into Modern Western Regulation** *Professor A.Wallace Hayes, Michigan State University, USA* *Chair: Dr. Hussin Muhammad, NIH, Malaysia*
10.45 – 11.00	**TEA BREAK**		
11.00 – 13.00	**SESSION 3** **Innovative Organoid & NAMs Application in Toxicological Research** *Chair: Professor Soon-Mi Shim, Sejong University, RoK*	**SESSION 4** **Recent Progress of Cosmetics Risk Assessment** *Chair: Prof. Ki Taek Nam, Yonsei University College of Medicine, RoK*	**SESSION 5** **Risk Assessment of Botanicals and Mixtures** *Chair: Dr. Rozaini Abdullah, UPM, Malaysia*
	Human Organoids in Toxicological Research: Progresses and Challenges *Professor Zhenglian Gao, Shanghai Uni., China*	**Industrial Implementation of NAMs and NGRA in Cosmetic Risk Assessment** *Dr. Seoyoung Kim, AMOREPACIFIC, Korea*	**Complex Botanical Mixture Hazard Assessment: An Overview of Curent Methodologies and Challenges in Assessing Hazards of Botanical Mistures** *Professor A.Wallace Hayes, Michigan State University, USA*
	Kidney Micro Physiological Systems for Nephrotoxicity Assessment *Professor Sejoong Kim, Seoul Nat. Uni., Korea*	**Safety Assessment of Botanical Extracts Using Non-Animal Test Methods** *Professor Kyung-Min Lim, Ewha Womans Uni., Korea*	**In Vitro Bioassays to Evaluate Health Effects of Botanicals: Discussion of Laboratory Techniques for Evaluating Health Impacts of Botanicals** *Professor A. Nursen Basaran, Baskent University, Ankara, Turkiye*
	Current Trends and Progress in Japan's Initiative for Industrial Implementation of MPS *Professor Seiichi Ishida, Sojo Uni., Japan*	**Building Capabilities and Ensuring Regulatory Acceptance of NAMs and NGRA for All Stakeholders Including Cosmetics** *Professor Seok (Soga) Kwon, National University of Singapore*	**Use of AI in Understanding the Hazard of a Complex Botanical Mixture: Exploration of Artifical Intelligence Application in Hazard Identification and Risk Assessment** *Professor Peter Pressman, University of Maine, USA*

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

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Day 3 | **6 August 2026**

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

	Applying Adverse Outcome Pathways to Food-Related Chemical Risk Assessment and Chronic Disease Outcomes *Professor Dr. Bette Meek, University of Ottawa, Canada*	**Food Poisoning Caused by Eating Coconut Crab Feeding on Toxic Plant in Japan** *Assoc. Prof. Kiyotaka Usui, Tohoku Uni. Graduate School of Medicine, Japan* **Bongkrekic Acid Poisoning Outbreak in Taiwan** *Professor Jou-Fang Deng, Taipei Veterans General Hospital, Taiwan*	**Environmental and Human Exposure to Heavy Metal and PFAS in Malaysia: Emerging Risks and Regulatory Perspectives** *Dr. Yusmaidie Aziz, USM, Malaysia*
13.00 – 14.00	**LUNCH BREAK**		
14.00 – 16.00	**WORKSHOP 2** **Beyond Nutrition: Understanding the Health Impacts of Reactive Food Chemicals** *Chair: Professor Hiroshi Hasegawa, Kobe Pharmaceutical University, Japan*	**WORKSHOP 3** **A Toxicological Perspective on MASLD: Environmental Causes, Impacts and Therapeutic Strategies** *Chair: Assoc. Prof. Dr. Han Kiat Ho, NUS, Singapore*	**WORKSHOP 4** **Reproductive Toxicology in an Era of Environmental Change: Emerging Contaminants and Transgenerational Risks** *Chair: Dr. Vanitha Thurairasu, Ministry of Health, Malaysia*
	Effect of Electrophiles in Vegetables on the Toxicity of the Environmental Chemicals *Dr. Yumi Abiko, Nagasaki University, JAPAN*	**Impacts on Polystyrene Nanoplastics Exposure on MASLD Pathophysiology** *Mr. Jeffery Koh, NUS, Singapore*	**From Ovary to Placenta: Molecular Mechanisms of Environmental Reproductive Toxicants** *Dr. Vanitha Thurairasu, Ministry of Health, Malaysia*
	Production of Antibodies Against 3,4-Dihydrocoumarin and Analysis of Protein Chemical Modifications Induced by This Compound *Dr. Yasuhiro Shinkai, Tokyo University of Pharmacy and Life Sciences, Japan*	**Investigating the Biological Impact of Nanoplastics Exposure on the Liver using a Rodent Model** *Assoc. Prof. Dr. Han Kiat Ho, NUS, Singapore*	**Emerging Contaminants in Reproduction: Microplastics, PFAS and Other Novel Endocrine Disruptors** *Dr. Thao Thi Phuong Nguyen, VinUniversity, Vietnam*
	Molecular Effect of Immunotoxicity by Alcohol Intake *Professor Hiroshi Hasegawa, Kobe Pharmaceutical University, Japan*	**The use of AI for Toxicological Assessment** *Assoc. Prof. Dr. David Leong, NUS, Singapore*	**Paternal Exposures, Sperm Quality and Transgenerational Reproductive Toxicity** *Dr. Indika Neluwa-Liyanage, Uni. Sri Jayewardenepura, Sri Lanka*
	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**		

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