



Symposium on

# Microbiological Risk Assessment & Management

October 27, 2025 | IPB, Bogor, Indonesia

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**Mr. Geoffry Smith**  
President

# ILSI – Collaborative Science for Safe, Nutritious and Sustainable Food

## Our Mission

ILSI convenes scientists at the forefront of research on nutrition, food safety and sustainability, and operates within a framework of the highest principles of scientific integrity. ILSI's trusted experts and volunteers around the world work synergistically and transparently across academia, and the public and private sectors.

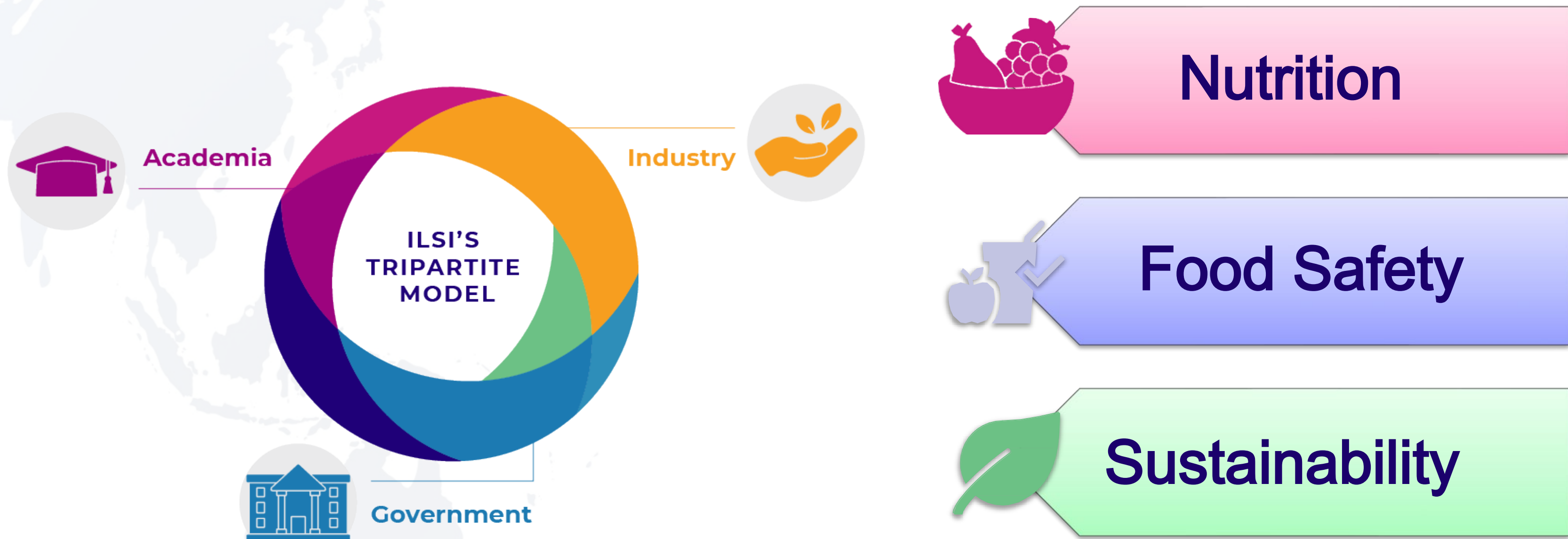


ILSI is a global, non-profit federation committed to improving public and planetary health worldwide by convening representatives from the academic, public and private sectors to advance evidence-based scientific research.

## Our Vision

ILSI envisions a future where its thought leadership positively impacts health and sustainability through decisions informed by science, and provides input to overcome global food challenges through collaboration across sectors.





For more than 45 years, ILSI has worked with experts from **government, academia and industry** , as well as researchers from nongovernmental organizations and high-level international organizations.

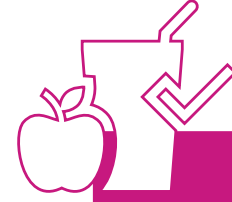
By convening international authorities on **nutrition, food safety and sustainability** , ILSI brings innovation, fresh thinking, global experience and diverse perspectives to the table for the sole purpose of improving global public health.

# ILSI's Core Strengths & Research Interests



## Diet and Nutrition

- **Nutrients**
  - Macronutrients
  - Micronutrients
  - Minerals
  - Vitamins
  - Bioactives
- **Healthy Aging**
  - Vitamins
  - Protein
  - Cognition
  - Immunity
- **Physical Activity and Mobility**
- **Microbiome**



## Food Safety

- **Risk Assessment**
  - Allergens
  - Contaminants
  - Forever Chemicals
  - Packaging
  - Toxicological
- **Pathogens**
- **Allergens**
- **Detection/ Methodologies**
- Global Harmonization of Methodology for Assessment and Standards
- Data Generation, Interpretation, Harmonization and Sharing

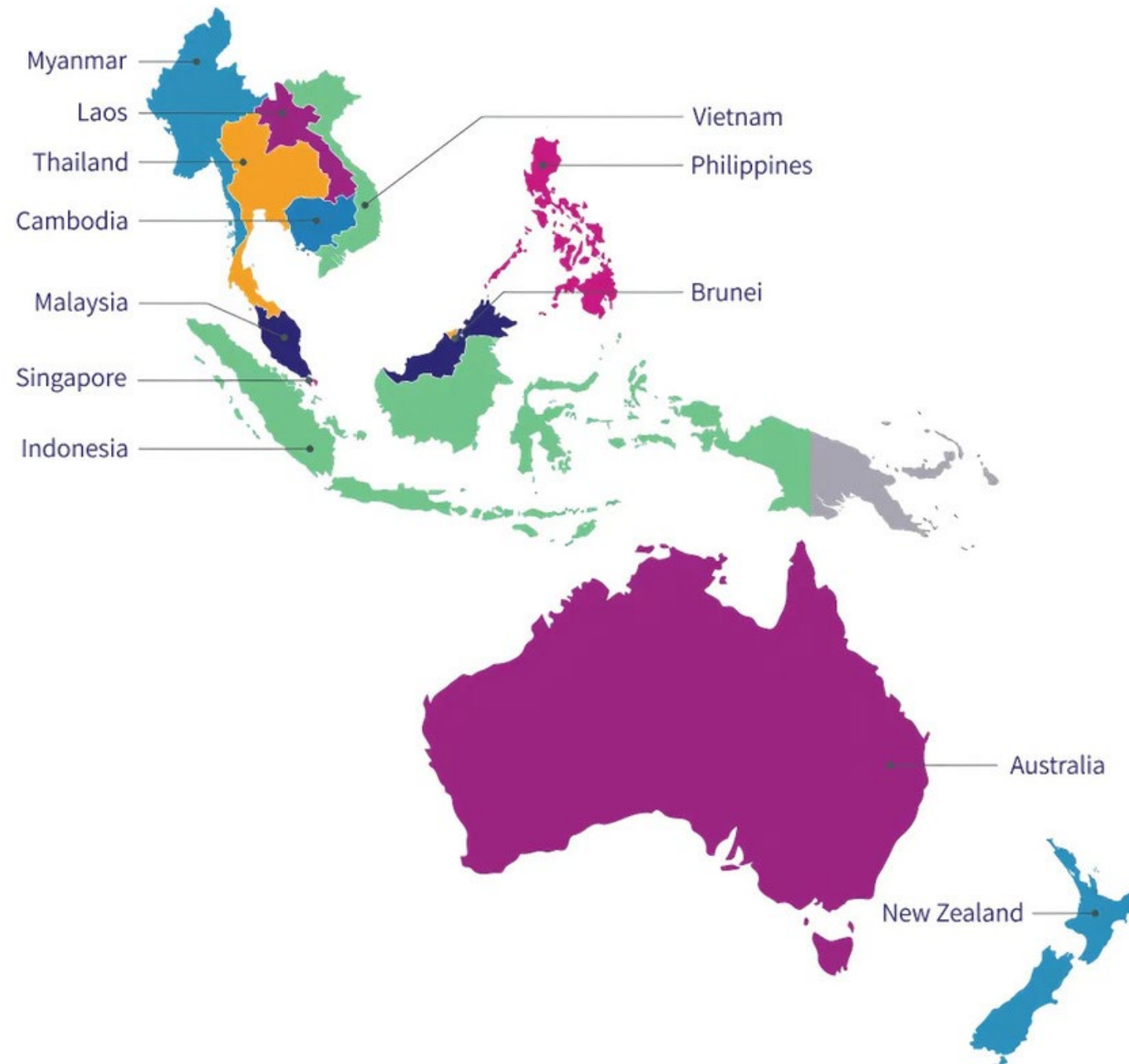


## Food Sustainability

- **Food Diversity**
- **Food Security**
- **Climate Change**
- Climate Change Impact on Nutrition and Food Safety
- Sustainability of Agri-food Systems
- Sustainable Food Packaging
- Food Waste



# ILSI Southeast Asia Region



Established in 1993, ILSI Southeast Asia Region (ILSI SEA Region) is a regional entity of ILSI that initiates, coordinates and conducts science programs and research among the **10 ASEAN countries** (Brunei, Cambodia, Indonesia, Lao PDR, Malaysia, Myanmar, Philippines, Thailand, Singapore and Vietnam), Australia and New Zealand.

Our activities focus on food and nutrition for optimal health, as well as safe and sustainable food systems.

ILSI SEA Region also coordinates collaborative programs among ILSI's Asian branches, including ILSI India, ILSI Japan, ILSI Korea and ILSI Taiwan.



# ILSI SEA Region Science Program

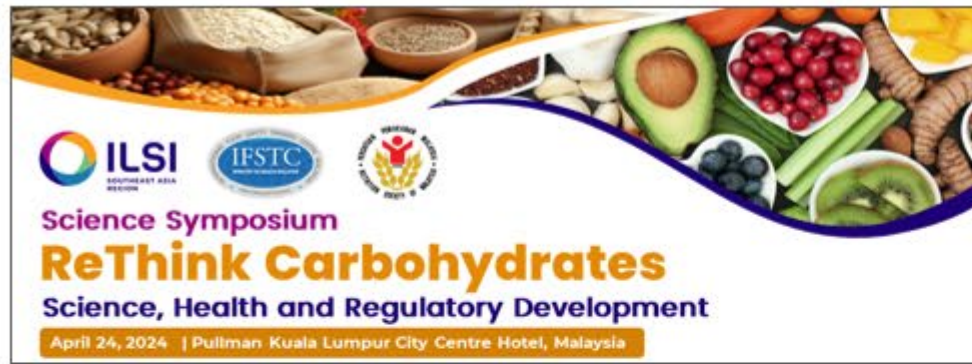


## 2 Science Clusters



## Highlights of 2024 Activities

# ILSI SEA Region Science Program



**ILSI** **IFSTC**  
**Science Symposium**  
**ReThink Carbohydrates**  
Science, Health and Regulatory Development  
April 24, 2024 | Pullman Kuala Lumpur City Centre Hotel, Malaysia



**8th ROUND TABLE DISCUSSION ON**  
Items to be discussed by the 44th Session of the Codex Committee on Nutrition and Foods for Special Dietary Uses  
Co-Organized by:  
Nutrition Society of Malaysia - International Life Sciences Institute SEA Region - Global Food Regulatory Science Society  
**THURSDAY August 29, 2024**  
9:00 am - 5:00 pm  
Avanté Hotel, Bandar Utama, Petaling Jaya, Selangor, MALAYSIA



**ILSI** **SOUTHEAST ASIA REGION**  
**WEBINAR**  
**FRONT-OF-PACK LABELING SYSTEM: What We Need to Know**  
October 23, 2024, Wednesday  
1:30 - 4:30 PM (GMT+8) via Zoom



**NATIONAL NUTRITION LABELING AND CLAIMS SEMINAR**  
November 15, 2024  
Pan Pacific Hanoi, Vietnam  
ORGANIZER **ILSI** CO-ORGANIZER **WFP**



**RESEARCH ENGAGEMENT AND FOCUS GROUP DISCUSSION**  
20 MAY 2024 (MONDAY)  
9:30am - 12:30pm  
QUARTZ & OPAL (LEVEL G), AVANTÉ HOTEL  
NUTRITION POLICIES AND ACTION PLANS IN MALAYSIA TO PROMOTE THE IMPLEMENTATION OF DOUBLE BURDEN OF MALNUTRITION PREVENTION IN SCHOOL-AGE CHILDREN



**ILSI** **PNMA**  
Seminar and Roundtable on Enhancing Data on MIYC Nutritional and Health Status for Guidance and Program Development in Southeast Asia  
November 14, 2024, Arnoma Grand Hotel, Bangkok, Thailand



**ILSI** **SOUTHEAST ASIA REGION**  
**SYMPOSIUM**  
**ADVANCING GUT MICROBIOME RESEARCH FOR APPLICATIONS IN HEALTH AND FOOD INNOVATION**  
November 25 - 26, 2024, Avanté Hotel, Petaling Jaya, Malaysia



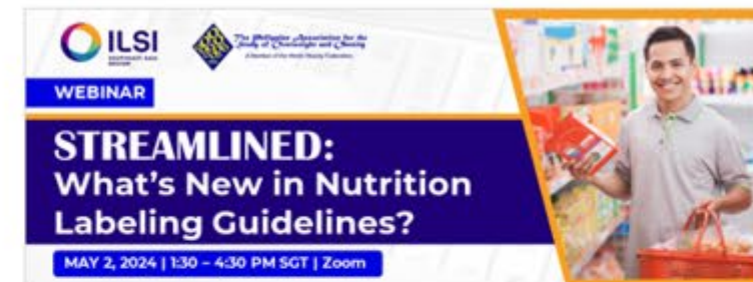
**ILSI** **SOUTHEAST ASIA REGION**  
**MICROBIOME RESEARCH FORUM**  
27 November 2024  
Agate Room, Ground Floor, M World Hotel (Formerly Avanté Hotel), Petaling Jaya, Malaysia



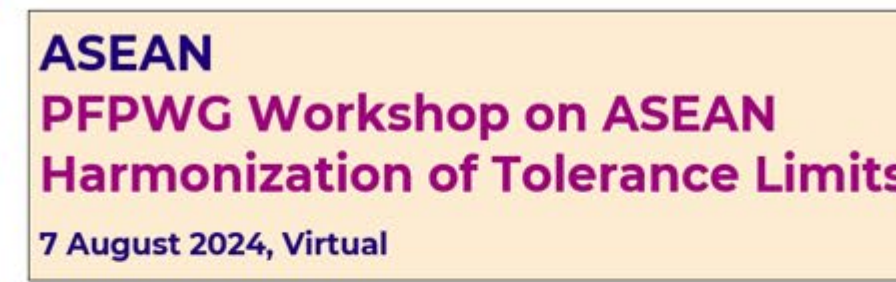
**ILSI 2nd ALSIN Meeting**  
Cooperation to harmonize food safety and nutrition regulations in Asia  
2024. 9. 20(Fri) 08:30-18:00  
Seoul Coex 403  
<http://ilsikorea.org>



**ASEAN**  
2nd Consultative Meeting for the Development of ASEAN Multisectoral Regional Strategic Framework and Plan of Action on the Reformulation and Production of Healthier Food and Beverages Options  
May 27-29, 2024, Jakarta, Indonesia



**ILSI**  
**WEBINAR**  
**STREAMLINED: What's New in Nutrition Labeling Guidelines?**  
MAY 2, 2024 | 1:30 - 4:30 PM SGT | Zoom



**ASEAN PFPWG Workshop on ASEAN Harmonization of Tolerance Limits**  
7 August 2024, Virtual



**ILSI** **SOUTHEAST ASIA REGION**  
Food and Nutrients for Optimal Health Science Cluster  
Nutrient Recommendations Working Group (NRWG)



**ILSI** **SOUTHEAST ASIA REGION**  
Working Group on Protein Needs and Sustainable Solutions



**ASIA AND THE PACIFIC FOOD SECURITY FORUM 2024**  
Investing for the Future of Climate-Food-Nature  
9-12 April 2024, ADB Headquarters, Manila, Philippines  
**Strengthening the Sustainable Food Systems Nexus: Agriculture, Food, Technology and Human Health**  
Geoffry Smith  
Essential Micronutrients Foundation  
International Life Sciences Institute, SE Asia Region  
**ILSI**



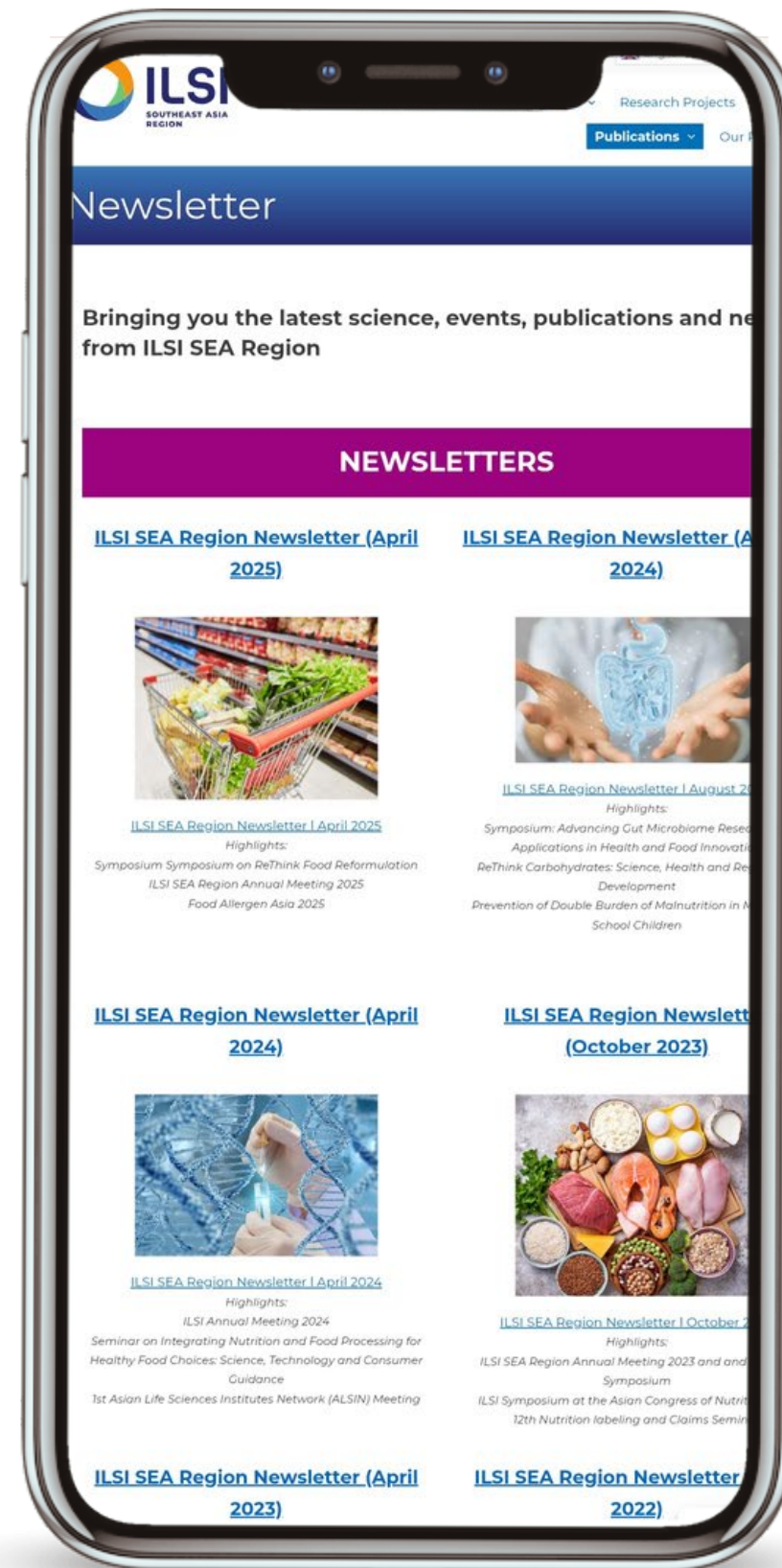
**SEMINAR**  
ORGANIZERS **ILSI** **USDA** COLLABORATORS **CropLife** **GMAC**  
**PRECISION AGRICULTURE AND GENE EDITING TECHNOLOGY FOR SUSTAINABLE FOOD PRODUCTION: SCIENCE AND COMMUNICATION**  
September 18, 2024  
Dewan Tan Sri Yusof Hashim, MARDI Headquarters, Persiaran MARDI-UPM, 43400 Serdang, Selangor, Malaysia  
September 19, 2024  
Theatrette 2, Level 2M, Matrix, 30 Biopolis Street, Singapore 138671

# Latest Publications 2021 -2025

Upcoming Programs & Publications are available on our website:



www.ilsisea-region.org



## ILSI SEA Region Monographs



### Report on Regulatory Status of Micronutrient Fortification in Southeast Asia

Latest Update (April 2023)

This updated report gives a summary of micronutrient fortification regulations in Southeast Asia, including mandatory and voluntary fortification programs, and regulations for fortification and health claims.



### ILSI SEA Region Functional Foods Monograph

Latest Update (October 2021)

This monograph elaborates ILSI SEA Region's initiatives on functional foods, provides updates on regulatory developments and scientific substantiation of health claims in the region, and presents case studies on selected functional foods in Southeast Asia.



## PUBLICATIONS



**Demographic variation and socioeconomic inequalities associated with the triple burden of malnutrition in Vietnamese children aged 6 months to 9 years old: Findings from the Vietnamese General Nutrition Survey 2020**  
February 2025, BMJ Public Health

This study explored the prevalence of double burden of malnutrition among Vietnamese children, focusing on its demographic and socioeconomic determinants, as well as the links between undernutrition, overnutrition, and micronutrient deficiencies, using data from the Vietnam General Nutrition Survey 2020. [Read More](#)



**Role of the Gut Microbiome in Human Health: A Report of the ILSI South East Asia Region Gut Microbiome Conference Series**  
October 2024, Academic Journal of Gastroenterology & Hepatology (AJGH)

A comprehensive report from the ILSI SEA Region Gut Microbiome Conference Series held on October 28–29, 2021, focusing on scientific advances in gut microbiome research. [Read More](#)



**The Role of Complementary Feeding Practices in Addressing the Double Burden of Malnutrition among Children Aged 6–23 Months: Insight from the Vietnamese General Nutrition Survey 2020**  
September 2024, Nutrients

This study examined the demographic and socioeconomic determinants of IYCF practices, and their impact on nutrition status of children aged 6–23 months from the Vietnam General Nutrition Survey 2020. [Read More](#)



**Micronutrient deficiencies and the double burden of malnutrition in Vietnamese female adolescents: a national cross-sectional study in 2020**  
August 2024, The Lancet Regional Health - Western Pacific

This study analyzed data in the nationally representative Vietnam General Nutrition Survey 2020 to identify micronutrient deficiencies and malnutrition in female adolescents aged 10 to 18. [Read More](#)

# ILSI SEA Region's Past Activities related to Risk Assessment

## ILSI SEAR's contribution to ASEAN Food Safety

- Establishment of the ASEAN Community and development of the **ASEAN Food Safety Policy** provides a common platform and direction for food safety in ASEAN
- Therefore, application of **science-based risk analysis** will become even more important to facilitate further ASEAN integration
- ILSI SEA Region will **continue to support** ASEAN food safety initiatives, particularly in **facilitating the implementation of science-based risk analysis** across ASEAN

## ILSI Risk Assessment Fellowship (2015 – 2019)

**Objectives:** Train experts in ASEAN countries who can play a leading role in the food safety risk assessment, including food additives and support their participation in risk assessment fellowships

- Fellowship undertaken at **JIFSAN, University of Maryland**; as well as **WHO** in Geneva, Switzerland
- ILSI SEA Region has supported a total of **6 scientists** since 2015 under the RA fellowship programs



## GFSP Food Chemical Risk Assessment Training Partnership

**Pilot Workshop (Singapore, August 25-26, 2016)**

Organized by ILSI SEA Region, AVA, Singapore, and GFSP



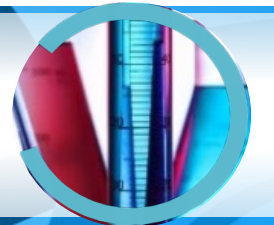
Reviewed and discussed the content and presentation of the chapters in the **draft modules** of the **food chemical risk assessment program**



**Workshop for  
GFSP Food Chemical Risk Assessment**

March 19-21, 2019

**Grand Copthorne Waterfront Hotel, Singapore**



- Provided practical approaches on food chemical risk assessments by sharing case studies available in the region
- Discussed next steps about the future training requirements for risk assessment in ASEAN and how these training modules can be effectively used.

# Workshop on **Microbiological Risk Assessment**



**July 8-9, 2025, Sunway University, Malaysia**

## About the Symposium

◆ **This 2-day workshop** immersed food safety officers and experts in the process of **Microbial Risk Assessment (MRA)** and its application in developing **science-based food safety management decisions**.

◆ The workshop is a follow-up activity to the capacity-building initiative on MRA, first adopted in 2021 by AHC4 and led by Malaysia AHC4 as the lead country.

◆ A **webinar series** was conducted in **2022** to introduce foundational concepts of MRA.

## Workshop Objectives

Participants gained practical skills to:

- ✓ Understand the **purpose of MRA** in decision-making
- ✓ Identify and apply **fit-for-purpose MRA approaches**
- ✓ Assess **data and resource availability**
- ✓ Interpret existing **MRA reports**
- ✓ Recognize and manage **information gaps**
- ✓ Translate MRA findings into **actionable food safety decisions**

Symposium on

# Microbiological Risk Assessment and Management

October 27, 2025, Institut Pertanian Bogor (IPB), Bogor, Indonesia



## About the Symposium

◆ **This symposium** brings global and local food safety experts to review key issues in food safety, and in utilizing **Microbial Risk Assessment (MRA)** and its use in **science-based food safety management decisions**.

◆ The symposium will cover the latest MRA science and practical aspects of implementing food safety practices based on the analysis. This will assist public health officials involved in food safety, as well as food suppliers in all aspects of the food supply chain.

◆ This **symposium** continues the series to improve science-based food safety in ASEAN.

Organized by:



Supported by:



ILSI-SEAR AND ICMSF WORKSHOP

## VALUE OF MICROBIOLOGICAL RISK ASSESSMENT (MRA) FOR REGULATORY AND FOOD INDUSTRY MANAGEMENT OF FOOD SAFETY

27 OCT 2025

At 09:00 AM - 15.30 PM

IPB International Convention Center  
Bogor, Indonesia

Registration for Online Participation

<https://ipb.link/icmsf-workshop-2025>

Scan Here for Complete Program



### THE SPEAKER LINEUP



**Dr. Leon Gorris**  
ICMSF Contact for Codex/WHO/FAO, Food Safety Futures, The Netherlands

Introduction of ICMSF and Link Between Government Microbiological Risk Assessment and Food Safety Assurance in Food Industry



**Dr. Chai Lay Ching**  
Sunway University, Malaysia

Microbiological Risk Assessment in Southeast Asia: Current Gaps, Emerging Opportunities, and the Role of Whole Genome Sequencing in Strengthening Evidence-Based Food Safety



**Dr. Marcel Zwietering**  
ICMSF Chairman, Wageningen University, The Netherlands

Challenges and Misconceptions Concerning Pathogen Testing in View of Microbiological Risk Management



**Dr. Lucia Anelich**  
ICMSF Member, Anelich Consulting, South Africa

Learnings from the South African *Listeria monocytogenes* Outbreak and Associated Regulatory Developments



**Dr. Ratih Dewanti-Hariyadi**  
ICMSF Member, IPB University, Indonesia

Risk Assessment and Management Case Studies: Prioritization of Food Pathogen Pairs and Estimation of Rejection Risk of Food Shipments

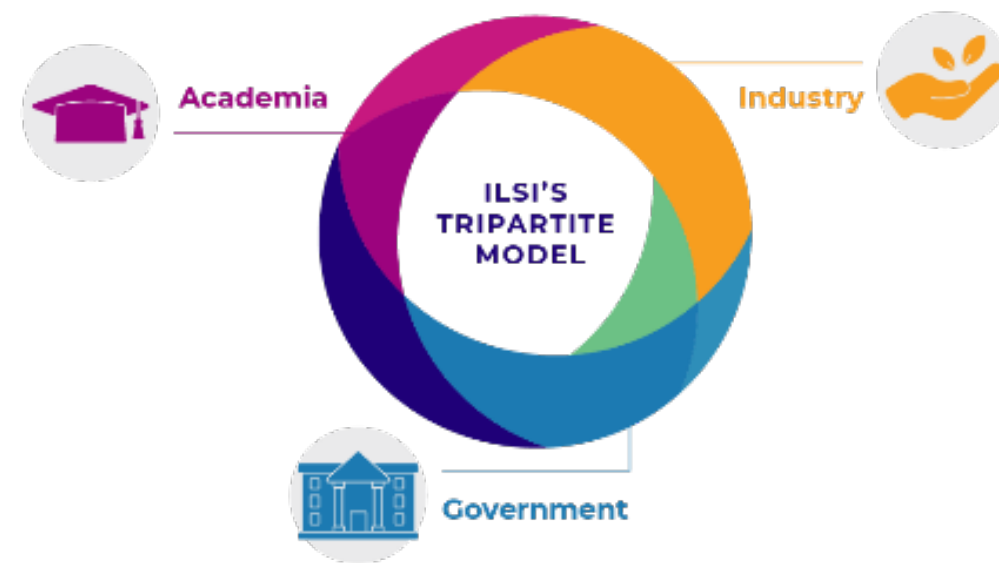


**Dr. John Donaghy**  
ICMSF member, Nestlé, Switzerland

Big Data and Its (Artificially) Intelligent Use in Dynamic Food Safety Risk Management in the Food Chain.

Panel discussion with speakers and guest panelists

# Fostering Collaboration Among Experts from Public and Private Sectors of Society in Conducting, Gathering, Summarizing and Disseminating Science for Best Evidence & Science Based Decision Process



[www.ilsis.org](http://www.ilsis.org)  
[www.ilsisea-region.org](http://www.ilsisea-region.org)

