

#### **Strategic Alliance to Combat Malnutrition:** Whole of Government, Whole of Society Approach

30-31 July 2024 • AVANTÉ Hotel, Bandar Utama, Petaling Jaya, Selangor

#### **EVENT REPORT**

Prepared by: Secretariat Date: 26 August 2024

### Contents

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  - Presentation of NSM prizes & awards
- Scientific Programme
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- Financial report

# REGISTRATION

### **Registration at Foyer**



30 July: 7.45am onwards

# **OPENING CEREMONY**

### **Official Opening Ceremony**



Welcome address by Assoc Prof Dr Mahenderan Appukutty President Nutrition Society of Malaysia (NSM)

### **Official Opening Ceremony**





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# PRESENTATION OF NSM PRIZES & AWARDS

NSM Postgraduate Prizes 2024 NSM Undergraduate Prizes 2024 NSM Publication Prizes 2024 NSM New Fellows Awards 2024

### **NSM Postgraduate Prizes 2024**

#### **PhD Thesis Prize**



Dr Nur Aqilah Amalina Jaafar University Putra Malaysia (absent in receiving the award)

Received on behalf by Prof Dr Norhasmah Sulaiman University Putra Malaysia

### **NSM Postgraduate Prizes 2024**

#### **Msc Thesis Prize**



Ms Fiona Ann Christianus University Malaysia Sabah (absent in receiving the award)

> Received on behalf by Dr Yasmin Beng Houi Ooi Universiti Malaysia Sabah



Ms Erica Ooi Ming Yi IMU University Malaysia (absent in receiving the award)

> Received on behalf by Dr Yong Heng Yaw IMU University Malaysia

### **NSM Postgraduate Prizes 2024**

#### **PhD and MSc Thesis Prize**



**Group** Photo

### **NSM Undergraduate Prizes 2024**

#### **Undergraduate Thesis Prize**



Ms Amanda Lim Wen Hui IMU University, Malaysia



(Koh Su Yuan USCI absent in receiving the award) Received on behalf by Nurliyana Binti Abdul Razak



Ms Alice Chen Universiti Malaysia Sabah



Ms Nur Syazwani binti Mohammed Universiti Sains Malaysia Iliane to Combat M Jove Pent, Vole Cocie Jotel Jay

Ms Teng Kang Ni University of Nottingham, Malaysia

### **NSM Undergraduate Prizes 2024**

#### Undergraduate Thesis Prize (Cont.)



Ms Nurdina Afiqah Zainal Universiti Kebangsaan Malaysia



Ms Nur Arifah binti Zulkifli Universiti Sultan Zainal Abidin







Ms Agnes Seow Jing Mun Universiti Putra Malaysia

### **NSM Undergraduate Prizes 2024**

#### **Undergraduate Thesis Prize**

SOCIETY OF



**Group** Photo

### **NSM Publication Prizes 2024**

#### Mobility and Musculoskeletal Health and Nutrition

#### Interventions for Promoting Nutritional Status of General Population



Dr Kanimolli IMU University, Malaysia



Dr Ng Choon Ming UCSI University (absent in receiving the award)

Received by Assoc Prof Dr Satvinder Kaur UCSI University

### **NSM Publication Prizes 2024**



#### **Group** Photo

(with Ms Wendy Goh Su Chin, Scientific and Nutrition Manager from Fonterra Brands (M) Sdn Bhd and Mr. Steven Chin Director and General Manager, Herbalife Nutrition Malaysia – the sponsors of NSM publication prizes)



Dr Sangeetha Shyam NSM Fellow 2024

# SCIENTIFIC PROGRAMME

DAY 1: 30 JULY 2024

### Summary of Scientific Programme

- 2 Keynote Lectures
- 4 Invited Lectures
- 4 Symposiums
- 9 presenters in Young Researchers' Symposium
- 8 Nutrition Update Presentation
- 100 posters

### **Keynote Lecture 1**

#### Strategies for the prevention and control of childhood obesity and chronic diseases



Chairperson: Dr Tee E Siong Nutrition Society of Malaysia



Speakers: Prof Dr Youfa Wang University Distinguished Professor; Vice President, Xi'an Jiaotong University Health Science Centre [Recorded presentation]

#### Nutrition for Maternal, Infant & Young Children



Chairperson: Assoc Prof Dr Mahenderan Appukutty Universiti Teknologi MARA, Malaysia

#### Symposium 1 Maternal, Infant and Young Children



Double burden of malnutrition in Malaysia – an update from **NHMS 2023** 

by

by Ms Sulhariza Husni Zain Institute of Public Health, National Institute of Health, Ministry of Health Malaysia

#### and body weight status of primary school children

Ms Teo Choon Huey Nutrition Society of Malaysia, on behalf of the **MySNPP** Working Group



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#### Maternal, Infant and Young Children

by



Building UK-SEA partnership – Research on nutrition policies and action plans in Malaysia to promote the implementation of double burden of malnutrition prevention in school-age Children by

Assoc Prof Dr Chin Yit Siew Universiti Putra Malaysia, on behalf of the UoL-NSM-ILSI-UPM Research Team

Cardiorespiratory fitness and cardiometabolic risk in Malaysian children aged 6 to 12 years: Findings from SEANUTS II Malaysia

> Mr Chan Kai Sze Centre for Community Health Studies (ReaCH), Faculty of Health Sciences, Universiti Kebangsaan Malaysia



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### **Invited Lecture 1**

#### The gut health connection: Microbiota crosstalk and the role of prebiotics Sponsored by BENEO-Institute



Chairperson: Dr Mohd Redzwan bin Sabran Universiti Putra Malaysia



Speakers: Ms Goh Peen Ern Senior Manager Nutrition Communication, BENEO-Institute/BENEO Asia Pacific Pte Ltd

#### **Food Environment and Nutrition**



#### Chairperson: Assoc Prof Dr Wee Bee Suan Universiti Sultan Zainal Abidin, Malaysia

#### **Food Environment and Nutrition**



Food security & sustainable food consumption among adolescents in Malaysia: Preliminary findings from the Sustainable Food Consumption (SEASFC) study

by

Dr Serene Tung En Hui Department of Nutrition and Dietetics, School of Health Sciences, IMU University, Malaysia

bv

Food security, diet quality and nutritional status among mother-child pairs in Orang Asli in Terengganu, Malaysia

> Dr Wong Chee Yen School of Nutrition and Dietetics, Faculty of Health Sciences, Universiti Sultan Zainal Abidin, Malaysia



#### **Food Environment and Nutrition**



Bridging food waste and consumption behaviours: Insights for a sustainable food system

by

Assoc Prof Dr Satvinder Kaur D/O Nachatar Singh Department of Food Science and Nutrition, Faculty of Applied Sciences, UCSI University, Malaysia

### **Invited Lecture 2**

The power of strategic partnerships in achieving zero hunger Sponsored by dsm-firmenich



Chairperson: Prof Dr Loh Su Peng Universiti Putra Malaysia



Speakers: Ms Judy Boucek Nutrition Improvement Regional Lead, dsm-firmenich



Chairperson: Assoc Prof Dr Gan Wan Ying Universiti Putra Malaysia



Feeding round the clock: A novel perspective from the Chrono-DM<sup>TM</sup> study to explore chrononutrition and its association with glycaemic outcomes in Malaysian adults with prediabetes by

Ms Erica Ooi Ming Yi Tunku Abdul Rahman University of Management and Technology, Malaysia

Does seasonality play a role in adolescent malnutrition in low-income communities?

Ms Tay Janice Ee Fang UCSI University





Dietary pattern related to colorectal cancer (CRC) risk using validated CRC-focused food frequency questionnaire for Malaysian patients by

bv

Ms Ainaa Almardhiyah Abd Rashid Universiti Sains Malaysia



**Effectiveness of 12 weeks Trim and Triumph (TNT) challenge among overweight and obese office workers** by

Mr Muhamad Hishamudin Mohmad Hasim University of Nottingham Malaysia

Development of a digitally-assisted peer-support lifestyle intervention to mitigate cardiovascular disease risk in a lowincome community (MYCardio-PEER)

> by Ms Lim Geok Pei Monash University Malaysia





Linear programming of optimized complementary diet recommendation for young children (12 - 24 months)

by

Ms Yasmina Ahmad Uzhir Universiti Putra Malaysia



**Bitter taste sensitivity, TAS2R38 gene polymorphisms and obesity risk among Malay children in the Klang Valley – a preliminary result** by

Ms Lie Yen Gan IMU University, Malaysia

An interactive Malaysian Childhood Healthy Lifestyle (I-MaCHeL) Programme to improve weightrelated behavior of preschool child-parent dyads: Cluster randomized controlled trial by

Mr Ahmad Faezi Ab Rashid Universiti Sultan Zainal Abidin, Malaysia





Assessing the impact of Copt Nutri Trail: A webbased nutrition education module on adiposity and obesity-related behaviors among primary school children In Kuala Lumpur

by **Ms Norhasniza Yaakob Universiti Kebangsaan Malaysia** 

# SCIENTIFIC PROGRAMME

DAY 2: 31 JULY 2024

### **Nutrition Update 1**



Chairperson: Dr Sharifah Intan Zainun Sharif Ishak Management and Science University, Malaysia

### **Nutrition Update 1**



Nutrition In Community Engagement (NICE) as continuous teaching and learning pedagogy in training nutritionists

by

Dr Yasmin Beng Houi Ooi Universiti Malaysia Sabah

Unveiling the mechanisms linking dietary patterns to 10-year cardiovascular diseases risk in Malaysian Type 2 diabetes patients: An integrative analysis using unsupervised and supervised dimension reduction techniques and path modeling by

> Mr Alvin Jun Hao Lim Universiti Putra Malaysia



### **Nutrition Update 1**



Acceptance of insects as food: Comparison between Malaysia and Japan by Dr Lim See Meng Universiti Kebangsaan Malaysia

Are Malaysian adults meeting the food group recommendations? Findings of the Malaysian Healthy Diet Online Survey (MHDOS)

> Assoc Prof Dr Wong Jyh Eiin Universiti Kebangsaan Malaysia



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## **Keynote Lecture 2**

#### Food security policies and action plan of Malaysia



Chairperson: Prof Dr Hamid Jan Jan Mohamed Universiti Sains Malaysia



Speaker: Mr Zainal bin Abas Deputy Director General of Education Malaysia (School Operations Sector)



#### **Nutrition of Older Persons**



Chairperson: Assoc Prof Dr Satvinder Kaur UCSI University, Malaysia

## Symposium 3 Nutrition of Older Persons



Frailty Intervention through Nutrition Education and Exercise (FINE) – a health promotion intervention to prevent frailty and improve frailty status among pre-frail elderly

by

Assoc Prof Dr Siti Nur'asyura Binti Adznam Department of Nutrition, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia

Chrononutrional effect of artichoke and inulin on blood glucose, microbiome, muscle/bone volumes in elderly person

> Prof Dr Shigenobu Shibata Graduate School of Biomedical and Health Sciences, Hiroshima University, Japan



# Symposium 3

### **Nutrition of Older Persons**



Effects of square-stepping exercise and art therapy on nutritional status, cognitive and psychological well-being of older adults with Parkinson's disease by

Dr Nurliyana Abdul Razak Department of Food Science and Nutrition, Faculty of Applied Sciences, UCSI University, Malaysia

Effectiveness of Cosmos Caudatus extract in improving sarcopenia indices, dietary intake and physical fitness among older adults with probable sarcopenia and sarcopenia in Kelantan

> by Dr Divya Vanoh School of Health Sciences, Health Campus, Universiti Sains Malaysia



## **Invited Lecture 3**

Enhancing health span: What are the micronutrient gaps and proposed nutrition strategies Sponsored by dsm-firmenich



Chairperson: Assoc Prof Dr Wong Jyh Eiin Universiti Kebangsaan Malaysia



Speakers: Dr Ek Kai Lin Head of Science Translation & Advocacy, Asia Pacific, dsm-firmenich

## **Invited Lecture 4**

The truth about soya: A review of nutrition, health effects and addressing misconceptions Sponsored by Homesoy



Chairperson: Dr Tan Sue Yee Nutrition Society of Malaysia



Speakers: Ms Soo Sek Yow Head of Nutrition Unit, Ace Canning Corporation Sdn Bhd



### **Community Lifestyle Intervention Programme**



Chairperson: Dr Roseline Yap Nutrition Society of Malaysia

## Symposium 4 Community Lifestyle Intervention Programme



Mitigating aflatoxin dietary exposure with probiotics: findings from human intervention trials

by Dr Mohd Redzwan bin Sabran Department of Nutrition, Faculty of Medicine and Health Sciences, Universiti Putra Malaysia

### Cultivating AWESOME school children: the NGTS initiative in Malaysia

by

Dr Yong Heng Yaw Division of Nutrition and Dietetics, School of Health Sciences, IMU University, Malaysia



## Symposium 4 Community Lifestyle Intervention Programme



#### **Culinary nutrition education for promoting healthy eating among kids** by

Assoc Prof Dr Satvinder Kaur Department of Food Science and Nutrition, Faculty of Applied Sciences, UCSI University, Malaysia (Dr Ng Choon Ming absent)

Comparative cardiometabolic effects of diets with red palm olein, extra virgin coconut oil, and extra virgin olive oil in individuals with central obesity: a randomised trial

> by Dr Radhika Loganathan Malaysian Palm Oil Board



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## **Nutrition Update 2**



Chairperson: Dr Wong Chee Yen Universiti Sultan Zainal Abidin, Malaysia

## **Nutrition Update 2**



Strangic A Metabolic-predicted obesity phenotypes and risk of colorectal cancer in Malaurian Decediment *fole of (* colorectal cancer in Malaysia: Decoding the obesity paradox paradox

> Dr Vaidehi Ulaganathan UCSI University, Malaysia

Association between obesity and physical activity among young adults in urban and semi-urban settings in Perak, Malaysia

by

Ms Divya Sivapregas Universiti Tunku Abdul Rahman, Malaysia



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## **Nutrition Update 2**



Winter melon aqueous extract supplementation modulates body composition and insulin sensitivity in patients with type 2 diabetes by Ms Che Anis Jauharah Binti Che Mohd Zin Universiti Sains Malaysia

Effect of Lignosus Rhinocerus and Eurycoma Longifolia supplementation on anaerobic sports performance in athletes: Preliminary findings by

> Dr Fadzel Wong Chee Ping Faculty of Food Science and Nutrition, Universiti Malaysia Sabah



## **Scientific Poster Presentation**









# Official Prize Giving and Closing Ceremony



Chaired by Dr Tee E Siong, Chairman, Organising Committee of the 39<sup>th</sup> NSM Scientific Conference



1<sup>st</sup> Prize: Ms Chong Guey Yong Tunku Abdul Rahman University of Management and Technology, Malaysia (represented by Assoc Prof Dr Satvinder Kaur)



2<sup>nd</sup> Prize: Ms Yasmina binti Ahmad Uzhir Universiti Putra Malaysia



3<sup>rd</sup> Prize: Ms Norhasniza Yaacob Universiti Kebangsaan Malaysia



#### Consolation Prize: Ms Lim Geok Pei Monash University Malaysia



Consolation Prize: Mr Ahmad Faezi Ab Rashid Universiti Sultan Zainal Abidin, Malaysia



Consolation Prize: Ms Janice Tay Ee Fang UCSI University



#### Consolation Prize: Ms Ainaa Almardhiyah Abd Rashid Universiti Sains Malaysia



Consolation Prize: Mr Muhamad Hishamudin Mohmad Hasim University of Nottingham



Consolation Prize: Ms Gan Lie Yen IMU University



**Group** Photo

## **NSM Postgraduate Poster Competition 2024**



1<sup>st</sup> Prize: Mr Lim Jun Hao University Putra Malaysia



2<sup>nd</sup> Prize: Ms Fazirah Binti Samah University Putra Malaysia



3<sup>rd</sup> Prize: Ms Cordelia Lim Kheng May University Putra Malaysia

### **NSM Postgraduate Poster Competition 2024**



Consolation Prize: Ms Chek Lok Poh University Putra Malaysia



Consolation Prize: Ms Chong Yi Teng University Kebangsaan Malaysia



Consolation Prize: Mr Miow Yee Xuen University Putra Malaysia



Consolation Prize: Ms Kok Ee Yin UCSI University **NSM Postgraduate Poster Presentation Prizes 2024** 



**Group** Photo

### **NSM Undergraduate Poster Competition 2024**



1<sup>st</sup> Prize: Ms Choo Pau Le University Putra Malaysia



2<sup>nd</sup> Prize: Ms Lee Ee Rong UCSI University



3<sup>rd</sup> Prize: Mr Luqman Fitri bin Feizal Mahathir IMU University

## **NSM Undergraduate Poster Competition 2024**

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Consolation Prize: Ms Tan Khai Chu University Putra Malaysia



Consolation Prize: Ms Annette Ling Tzi Xuan Universiti Malaysia Sabah



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Consolation Prize: Ms Yeu Cheng Yee University Putra Malaysia AIIIANCE to Ombat Malnu f Government 30 É Hotel, Bandar

Consolation Prize: Ms Siti Nadhirah bt Ismail Universiti Sultan Zainal Abidin

## **NSM Undergraduate Poster Competition 2024**



Consolation Prize: Ms Lim Jia Meng University Putra Malaysia



Consolation Prize: Ms Lim Xin Ying UCSI University



Consolation Prize: Ms Nurul Alieya bt Mohamed Arif Leow Management & Science University

### **NSM Undergraduate Poster Presentation Prizes 2024**



**Group** Photo

# **TRADE EXHIBITION**

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## Trade Exhibition Major Sponsors' Booth





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# **Trade Exhibition**

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## Trade Exhibition Co-sponsors' Booth



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# CONFERENCE WEBSITE

### Homepage



**39**th Whole of Government, Whole of Society Approach

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HOME CONFERENCE ANNOUNCEMENT PROGRAMME ABSTRACT REGISTRATION COMMITTEE PAST CONFERENCES CONTACT



Strategic Alliance to Combat Malnutrition: Whole of Government, Whole of Society Approach 30-31 July 2024 | AVANTÉ Hotel, Bandar Utama, Petaling Java, Selangor CALL FOR ABSTRACTS =

You are invited to submit abstracts for presentation in the free paper presentation or poster sessions of the Conference.

Abstracts can be in any of the symposia titles or any relevant topic in food and nutrition. Please note that we are utilising ONLINE ABSTRACT SUBMISSION and registration system and abstract submission will be available from **10th May 2024** onwards and closed by **10th July 2024**.

Abstracts (200-300 words in MS Word format) must follow exactly the prescribed format. Details of the Conference, submission and acceptance status will be updated from time to time through the NSM Conference's official website.

#### Major Sponsors

#### ABOUT THE CONFERENCE =

Malaysia currently stands at a critical juncture, dealing with the threat of its population bearing the double burden of nutrition – a simultaneous occurrence of stunting and obesity. Despite the many efforts through various nutrition action plans implemented throughout the years, previously set nutrition goals remain unachieved. Undernutrition persists among selected groups across Malaysia, which is accompanied by a rising incidence of non-communicable diseases (NCDs) alongside their risk factors. In fact, the findings from national health reports, like the NHMS 2019, have cited that these levels have reached alarming levels.

With less than two years remaining before the National Plan of Action for Nutrition Malaysia III (NPANM III) is terminated, several challenges must be addressed in order to implement the measures outlined in the action plan.

The presence of critical hurdles, such as a lack of inter-sectorial and multi-stakeholder coordination, financial constraints, and a lack of human resource capacity, demand immediate attention. The nation is at a turning point in the fight against malnutrition and its cascading health effects, and the moment to act is now...





READ MORE

### Homepage





Whole of Society Approach

30 - 31 July 2024 | AVANTÉ Hotel, Bandar Utama, Petaling Jaya, Selangor

#### CALL FOR ABSTRACTS

Important Dates Conference 30-31 Syltation & Astract submission open: 10 May 2024 Astract submission deadline: 10 July 2024 Early bird registration deadline: 22 July 2024

You are invited to submit abstracts for presentation in the free paper presentation or poster sessions of the Conference. Abstracts can be in any of the symposia titles or any relevant topic in food and nutrition. Please note that we are utilising ONLINE ABSTRACT SUBMISSION and registration system and abstract submission will be available from 10th MAY 2024 onwards and closed by 10th JULY 2024. Abstracts (200-300 words in MS Word format) must follow exactly the prescribed format. Details of the Conference, submission and acceptance status will be updated from time to time through the NSM Conference's official website.

#### 2<sup>nd</sup> Announcement



#### Final Announcement

### **Programme Book**



#### Strategic Alliance to Combat Malnutrition:

Whole of Government, Whole of Society Approach

Programme and Abstracts 30 - 31 July 2024 AVANTÉ Hotel, Bandar Utama, Petaling Jaya, Selangor

# ATTENDANCE

## Participants in Attendance

Categories	Attendance	(%)
PAID		
NSM member	49	21.2
Post Grad Member	42	18.2
Participant	13	5.6
Exhibitor	0	0
Student	63	27.3
Other Undergraduate	3	1.3
NSM Fellow	б	2.6
FOC		
Chairperson	0	0
Speaker	12	5.2
Committee	10	4.3
Sponsor	25	10.8
Secretariat	6	2.6
Guest	2	0.9
Total	231	97.9%
Drop-out	5	2.1&
Total	236	100%

# Acknowledgements

The Nutrition Society of Malaysia gratefully acknowledges contributions from the following to the 39<sup>th</sup> Scientific Conference:

#### **Major Sponsors**

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- Pharm-D
- Vitagen
- Yakult (Malaysia) Sdn Bhd

#### **Sponsor for NSM Publication Prizes**

- Fonterra Brands (Malaysia) Sdn Bhd
- Herbalife Malaysia

#### Sponsor for Prizes for Young Researcher's Symposium & Poster Competition

 International Life Sciences Institute Southeast Asia Region (ILSI)

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# END & THANK YOU

### For more information, please contact:

**Dr Tee E Siong** (<u>esiongtee@</u>gmail.com) *Chairman of Organising Committee* 

or

#### **NSM Conference Secretariat:**



#### VersaComm Sdn Bhd

Ms Muhaini Hussin (<u>muhaini@versa-group.com</u>)