

EXHIBITION BOOTHS

Exhibition and Interactive Activities

Chemistry of Micro-Scale Apparatus (USM)

Natural Products (USM)

Medical & Dental Exhibits (AIMST)

Chemistry and Crime (KIMIA MALAYSIA)

Chemistry of Food (KIMIA MALAYSIA)

Chemistry for Daily Living (Industry)

Chemistry Games (UiTM)

Poison & Drugs (AADK)

Innovation & Invention Competitions

Theme of K2M Zon Utara:

“Chemistry Our Life Our Future”



Selected pictures during K2M Zon Utara 2016 & 2018



ORGANIZING COMMITTEE

CHAIRMEN

Dato' ChM Dr. Hj. Mas Rosemal Hakim bin Mas Haris
ChM Snr AP Dr. Kathiresan Sathasivam

CO-CHAIRMEN

Tuan Sidek bin Ahmad
(Director, Kimia Malaysia, Penang)
Tuan Muhamad Hasirun bin Khalid
(Director, Kimia Malaysia, Kedah)

CO-ORDINATORS

ChM AP Dr. Nor Aziyah binti Bakhari (IKMNB)
ChM Marina binti Mokhtar (IKMNB)
Additional names TBD (AIMST University and USM)

TREASURER & ASSISTANT

ChM AP Dr. Lim Vuanghao (IKMNB)
ChM Airul Azmel bin Ismail (IKMNB)

PROGRAM COMMITTEE MEMBERS

ChM Damien Khoo Yiyuan,
ChM AP Dr. Melati binti Khairuddean
ChM AP Dr. Lee Hooi Ling, ChM Dr. Lee Chai Guan
ChM Buvearasan a/l Muniandy,
ChM Dr. Thiruvethan a/l Karunakaran
ChM Dr. Muhammad Hakim bin Shafie,
ChM Zaiton binti Abu Baidah,
ChM Dr. Sumiyyah binti Sabar, ChM Dr. Goh Teik Beng,
ChM Dr. Mohd Ridhwan bin Adam

Additional names to be included (from AIMST University, USM, UiTM and other Institution)

Invited Judges and Head of Exhibition Booths
List of Names to be included later.



KARNIVAL KIMIA MALAYSIA

ZON UTARA 2023

(K2M Zon Utara 2023)

Activities:

- ◆ *3-Minute Talk: Online Competition*
- ◆ *Innovation & Invention: Competition*
- ◆ *Seminar/Talk by Invited Experts*
 - ◆ *Exhibition Booths*

(Universities, Industrial & Private Sectors)

Date & Venue:

- ◆ **15TH JUNE 2023**
- ◆ **AIMST UNIVERSITY**

Jointly organised by:

- ◆ **IKM Northern Branch**
&
◆ **AIMST University**
&
◆ **KIMIA MALAYSIA**
(Penang and Kedah)

KARNIVAL KIMIA MALAYSIA ZON UTARA 2023

Karnival Kimia Malaysia (K2M) is a national program which was first launched on the 15th of April 2011 by the Honourable Minister of Science, Technology and Innovation Malaysia, YB Datuk Seri Dr. Maximus Johnity Ongkili at Pusat Sains Negara, Bukit Kiara, Kuala Lumpur, in conjunction with the celebration of the International Year of Chemistry 2011. **K2M Zon Utara 2011** was jointly organized by Institut Kimia Malaysia Northern Branch (IKMNB), USM (School of Chemical Sciences) and Jabatan Kimia Malaysia (JKM) Penang Branch. **K2M Zon Utara 2012** was jointly organized by IKMNB, UiTM Penang and JKM Penang Branch. **K2M Zon Utara 2013** was jointly organized by IKMNB, Jabatan Pelajaran Pulau Pinang (Pejabat Pelajaran Daerah Seberang Perai Tengah) and JKM Penang. **K2M Zon Utara 2015 and 2017** were jointly organized by IKMNB, AIMST University and JKM Kedah & Penang branches. **K2M Zon Utara 2018** was jointly organized by IKMNB, USM (School of Chemical Sciences), JKM (Kedah & Penang branches).

K2M Zon Utara 2023 shall be again jointly organized by IKMNB, AIMST University and KIMIA MALAYSIA (Penang & Kedah branches). Among the activities are (i) 3-Minute Talk: Online Competition, (ii) Innovation & Invention Competition, (iii) Invited Talks, and (iv) Exhibition Booths (Universities, Industrial & Private Sectors). The event will be held on 15th June 2023 at AIMST University, Bedong, Kedah, Malaysia .

OBJECTIVES

- To promote public awareness and appreciation of sciences (via exhibition and hands-on participation) that are in line with national requirements for education in schools and universities.
- To illustrate the innovative and inventive nature of chemistry and related fields.
- To expose and encourage the younger generation to pursue various fields of science and technology.

PROGRAMME

15th June 2023 (THURSDAY)

- 0800 Registration participants & setting up of booths.
0815 Final briefing on judging criteria of competitions.
0830 **OPENING CEREMONY**
- ◆ Welcome Address by Chairman of K2M ZU 2023
 - ◆ Keynote Address - “The Introduction and Role of Institut Kimia Malaysia” by President of IKM
 - ◆ Officiating Address by VC of AIMST University
 - ◆ Plenary Talk - “The Role of Forensic Chemistry in Criminal Investigation” by President of FSSM
 - ◆ Giving of souvenirs & group photograph session
- 1000 **Visit to Exhibition and Competition Booths**
- ◆ Cutting ribbons and gimmick of event.
- 1030 Tea-break for the invited guests and VIPs
1045 **PARALLEL ACTIVITIES:**
- (a) **Evaluation of competitions** (invited judges)
 - (b) **Invited talk:**
 - i. “Natural Product Chemistry”
 - ii. “Mycotoxin in Food - An Overview”
 - iii. “Beyond The Laboratories: Advancing Career with Science”
 - i. “Chemical Instrumental Analysis of a Drug”
- 1230 **CLOSING CEREMONY**
- (a) Presentation of Certificates
 - (b) Presentation of Awards
 - (c) Vote of thanks and Concluding remarks
- 1330 **LUNCH & End of event**

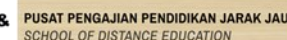


SPECIAL THANKS

- President of Institut Kimia Malaysia
- Vice Chancellor of AIMST University
- Directors of Kimia Malaysia (Kedah & Penang)
- Directors & Personnel of “Jabatan Pendidikan Negeri Pulau Pinang, Kedah & Perlis”
- Dean of School of Chemical Sciences, USM
- Invited Speakers and Exhibitors
- Organizing Committee K2M Zon Utara 2023
- Judges of I&I and 3-Minute Talk Competitions
- Facilitators, Teachers & Students of schools involved in the I&I Competition and K2M activities
- Members of Institut Kimia Malaysia
- Academic Staff and Students of USM, UiTM Penang & AIMST University
- To all who have contributed directly or indirectly in making K2M Zon Utara 2023 a success.



**Participated by Academicians, Students,
Administrators & Personnel affiliated with:**





Titles of Speech/Talk by Invited Speakers at K2M Zon Utara 2023

1. **“The Introduction and Role of Institut Kimia Malaysia”** – Keynote Address: Datuk Dr. ChM Soon Ting Kueh (President of IKM)
 2. **“The Role of Forensic Chemistry in Criminal Investigation”** – Plenary Speaker: Dato’ DCP(R) Assoc. Prof. Dr. ChM Yew Chong Hooi (Council Member).
 3. **“Natural Product Chemistry”** – Invited Speaker: Assoc. Prof. Dr. ChM Melati binti Khairuddean
 4. **“Mycotoxin in Food - An Overview”** – Invited Speaker: Dr. ChM Nor Shifa bin Shuib.
 5. **“Beyond The Laboratories: Advancing Career with Science”** – Invited Speaker: ChM Damien Khoo Yiyuan.
 6. **“Chemical Instrumental Analysis of Mitragynine”**. The focus here is on the analytical techniques used to identify and characterize Mitragynine (Ketum). Speaker TBD.
- 
- 